SPARTA

# One-Stop Supplier of Air Compressors

Shandong Sparta Machinery Co., Ltd.

# About US

**S**handong Sparta Machinery Co., Ltd. is a comprehensive enterprise specializing in import and export business. The company has a modern office environment, advanced management mode, and a highly qualified, skilled, and efficient workforce.

The company adheres to the business philosophy of "integrity, innovation, cooperation, and win-win", continuously enhances its core competitiveness, provides customers with high-quality products and services, creates value for society, creates benefits for employees, has a scientific development concept, continuous innovation vitality, excellent corporate culture, and a strong sense of social responsibility. We always follow international trade rules and are a trustworthy partner for you!

# STATIONARY SCREW AIR COMPRESSOR SERIES

## Features

- Mature intelligent permanent magnet variable frequency technology.
- Low noise and stability.
- Energy-saving and durable.
- Compared with the frequency machine, it can save 35%.
- Professional air compressor frequency conversion adjusts the motor speed according to the actual gas usage.
- The main unit has a 2-year quality guarantee.

## Parameters

| Model | Motor Power (KW) | Working Pressure (Mpa) | Air Delivery ($m^3$/min) | Noise Level (dB (A)) | Outlet Connection | Dimension (mm) | Weight (Kg) |
|---|---|---|---|---|---|---|---|
| SP-10A | 7.5 | 0.8 | 1.1 | 62±2 | G1/2 | 900x600x850 | 200 |
| | | 1.0 | 0.9 | | | | |
| | | 1.25 | 0.7 | | | | |
| SP-15A | 11 | 0.8 | 1.8 | 62±2 | G3/4 | 1000x700x1000 | 200 |
| | | 1.0 | 1.6 | | | | |
| | | 1.25 | 1.3 | | | | |
| SP-20A | 15 | 0.8 | 2.5 | 62±2 | G3/4 | 1000x700x1000 | 400 |
| | | 1.0 | 2.2 | | | | |
| | | 1.25 | 1.8 | | | | |
| SP-30A | 22 | 0.8 | 3.5 | 62±2 | G1 | 1300x790x1175 | 600 |
| | | 1.0 | 3.2 | | | | |
| | | 1.25 | 2.6 | | | | |
| SP-40A | 30 | 0.8 | 5.0 | 62±2 | G1 | 1300x790x300 | 300 |
| | | 1.0 | 4.5 | | | | |
| | | 1.25 | 3.9 | | | | |
| SP-50A | 37 | 0.8 | 6.5 | 62±2 | G11/2 | 1400x950x1320 | 800 |
| | | 1.0 | 5.8 | | | | |
| | | 1.25 | 4.8 | | | | |
| SP-60A | 45 | 0.8 | 7.1 | 62±2 | G11/2 | 1400x950x1320 | 950 |
| | | 1.0 | 6.4 | | | | |
| | | 1.25 | 5.3 | | | | |
| SP-75A | 55 | 0.8 | 9.3 | 62±2 | G2 | 1750x1170x1600 | 970 |
| | | 1.0 | 8.4 | | | | |
| | | 1.25 | 6.9 | | | | |
| SP-100A | 75 | 0.8 | 12.2 | 68±2 | G2 | 1750x1170x1600 | 1150 |
| | | 1.0 | 11.0 | | | | |
| | | 1.25 | 9.2 | | | | |

# ENGINEERING PORTABLE SCREW AIR COMPRESSOR SERIES

## Features

- Installation-free integrated equipment, 2-in-1 or 4-in-1 optional.
- Convenient and portable, plug and play.
- Oil-free and water-free compressed gas.
- Intelligent power saving by 35%, quiet and efficient.
- Suitable for various mobile scenarios such as auto repair, wind drilling, spray painting, engineering, etc

## Parameters

| Model | Power (KW) | Air Tank | Pressure (bar) | Air Delivery ($m^3$/min) | Type | Voltage (V) | Connection | Weight (Kg) | Dimension (mm) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| S-GC-6/8D | 4KW | Single tank | 8 | 1.1 | Power frequency | 380V | G1/2” | 220 | 1050x500x1020 | Two-in-one |
| S-GC-6/8S | 4KW | Single tank | 8 | 1.1 | Frequency conversion | 220V | G1/2” | 220 | 1050x500x1020 | Two-in-one |
| S-GC-10/8D | 7.5KW | Single tank | 8 | 1.1 | Power frequency | 380V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC-10/10D | 7.5KW | Single tank | 10 | 1.1 | Power frequency | 380V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC-10/13D | 7.5KW | Single tank | 13 | 1.1 | Power frequency | 380V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC-10/8S | 7.5KW | Single tank | 8 | 1.1 | Frequency conversion | 380V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC220-10/8S | 7.5KW | Single tank | 8 | 1.1 | Frequency conversion | 220V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC-10/13S | 7.5KW | Single tank | 13 | 1.1 | Frequency conversion | 380V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC220-10/13S | 7.5KW | Single tank | 13 | 1.1 | Frequency conversion | 220V | G1/2” | 256 | 1550x500x1090 | Two-in-one |
| S-GC-15/10D | 11KW | Single tank | 10 |  | Power frequency | 380V | G3/4” | 230 | 1450x500x1080 | Two-in-one |
| S-GC-15/13D | 11KW | Single tank | 13 | 1.3 | Power frequency | 380V | G3/4” | 230 | 1450x500x1080 | Two-in-one |
| S-GC-15/16D | 11KW | Single tank | 16 | 1.1 | Power frequency | 380V | G3/4” | 230 | 1450x500x1080 | Two-in-one |
| S-GCLG-10/8D | 7.5KW | Single tank | 8 | 1.1 | Power frequency | 380V | G1/2” | 256 | 1550x500x1090 | Four-in-one |
| S-GCLG-10/8S | 7.5KW | Single tank | 8 | 1.1 | Frequency conversion | 380V | G1/2” | 256 | 1550x500x1090 | Four-in-one |
| S-GCLG220-10/8S | 7.5KW | Single tank | 8 | 1.1 | Frequency conversion | 220V | G1/2” | 256 | 1550x500x1090 | Four-in-one |
| S-GCLG-15/8S | 11KW | Single tank | 8 | 1.8 | Frequency conversion | 380V | G3/4” | 230 | 1450x500x1080 | Four-in-one |
| S-GCLG-20/8S | 15KW | Single tank | 8 | 2.6 | Frequency conversion | 380V | G3/4” | 450 | 1550x630x1220 | Four-in-one |
| S-GCDG-20/10S | 15KW | Single tank | 10 | 2.6 | Frequency conversion | 380V | G3/4” | 450 | 1550x630x1220 | Engineering |
| S-GCDG-20/13S | 15KW | Single tank | 13 | 1.7 | Frequency conversion | 380V | G3/4” | 450 | 1550x630x1220 | Engineering |
| S-GCSG-20/10S | 15KW | Double tank | 10 | 2.6 | Frequency conversion | 380V | G3/4” | 450 | 1450x850x1090 | Engineering |
| S-GCSG-20/13S | 15KW | Double tank | 13 | 1.7 | Frequency conversion | 380V | G3/4” | 450 | 1450x850x1090 | Engineering |
| S-GCSG-30/10S | 22KW | Double tank | 10 | 3.7 | Frequency conversion | 380V | G1” | 540 | 1650x750x1200 | Engineering |
| S-GCSG-30/13S | 22KW | Double tank | 13 | 3 | Frequency conversion | 380V | G1” | 540 | 1650x750x1200 | Engineering |
| S-GCDG/IP55-30/10S | 22KW | Double tank | 10 | 3.7 | Frequency conversion | 380V | G1” | 540 | 1650x750x1200 | Engineering |
| S-GCSG-40/10S | 30KW | Double tank | 10 | 5.2 | Frequency conversion | 380V | G1” | 630 | 1650x850x1350 | Engineering |
| S-GCSG-40/13S | 30KW | Double tank | 13 | 3.5 | Frequency conversion | 380V | G1” | 630 | 1650x850x1350 | Engineering |
| S-GCSG-50/10S | 37KW | Double tank | 10 | 6.6 | Frequency conversion | 380V | G1 1/2” | 720 | 1750x900x1450 | Engineering |
| S-GCSG-50/13S | 37KW | Double tank | 13 | 5.1 | Frequency conversion | 380V | G1 1/2” | 720 | 1750x900x1450 | Engineering |

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# SCREW AIR COMPRESSOR FOR LASER CUTTING

## Features

- High pressure of 16Bar.
- Energy-saving and stable.
- Oil-free, water-free, and dust-free, protecting the lens.
- Optional integrated or separate design, small footprint, and integrated production and storage.
- Plug and play, no installation required, easy to move.
- Customizable

## Parameters

| Model | Power (KW) | Air Tank | Pressure (bar) | Air Delivery ($m^3$/min) | Type | Voltage (V) | Connection | Dimension (mm) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| S-GCSG-50/10S | 15KW | - | 16KG | 1.3 | Power frequency | 380V | G3/4” | 1100x700x1000 | Fixed single machine |
| S-GCSG-50/13S | 15KW | - | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1100x700x1000 | Fixed single machine |
| S-S-20/16D | 15KW | - | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1100x700x1000 | Fixed single machine |
| S-S2-20/16S | 22KW | - | 16KG | 2.5 | Frequency conversion | 380V | G1” | 1200x820x1150 | Fixed single machine |
| S-S3-20/16S | 37KW | - | 16KG | 3.5 | Frequency conversion | 380V | G1 1/2” | 1210x960x1270 | Fixed single machine |
| S-S-30/16S | 15KW | Single tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Mobile all-in-one machine |
| S-S-50/16S | 15KW | Single tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Mobile all-in-one machine |
| S-SY2-20/16S | 15KW | Double tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Mobile all-in-one machine |
| S-SY3-20/16S | 15KW | Double tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Mobile all-in-one machine |
| S-SYD2-20/16S | 22KW | Double tank | 16KG | 2.5 | Frequency conversion | 380V | G1” | 1750v720v1490 | Mobile all-in-one machine |
| S-SYD3-20/16S | 15KW | Single tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Mobile all-in-one machine |
| S-SYD2-30/16S | 15KW | Single tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Fixed split machine |
| S-SF-20/16D | 15KW | Single tank | 16KG | 1.3 | Frequency conversion | 380V | G3/4” | 1750x720x1490 | Fixed split machine |
| S-SF3-20/16S | 22KW | Single tank | 16KG | 2.5 | Frequency conversion | 380V | G1” | 1750v720v1490 | Fixed split machine |
| S-SF2-20/16S | 22KW | Double tank | 16KG | 2.5 | Frequency conversion | 380V | G1” | 1750v720v1490 | Fixed split machine |

# STATIONARY SCREW AIR COMPRESSOR SERIES

## Features

- ●High reliability and energy efficiency
- ●Easy operation and clear monitoring of operating status
- ●Anti-shock power and low fuel consumption rate for use in harsh outdoor environments
- ●Anti-noise and rainproof cover to protect the equipment during use

Low noise and vibration technology for operator comfort

- ●Automatic alarm and shutdown protection devices for safety
- ●Easy and quick maintenance for reduced downtime and cost savings

## Parameters

| Model | Air Delivery ($m^3$/min) | Intake pressure (Bar) | Diesel Motor | Motor Power (KW) | Weight (Kg) | Dimension (mm) (Including drawbar) | Remark |
|---|---|---|---|---|---|---|---|
| STYN-3/8-42 | 3 | 8 | Yunnei | 42 | 1400 | 2200x1650x1550 | 2 wheels single stage |
| STYN-4/8-42 | 4 | 8 | Yunnei | 42 | 1400 | 2200x1650x1550 | 2 wheels single stage |
| STYN-5/8-42 | 5 | 8 | Yunnei | 42 | 1400 | 2200x1650x1550 | 2 wheels single stage |
| STYN-3/14-42 | 3 | 8 | Yunnei | 42 | 1400 | 2200x1650x1550 | 2 wheels single stage |
| STYN-4/12-42 | 4 | 8 | Yunnei | 42 | 1400 | 2200x1650x1550 | 2 wheels single stage |
| STXY-6/21-76 | 5.3 | 21 | Yunnei | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STYN-6/8-46 | 6 | 8 | Yunnei | 46 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-5/10-46 | 5 | 10 | Yunnei | 46 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-4/14.5-46 | 4 | 14.5 | Yunnei | 46 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-5/11-46 | 5 | 11 | Yunnei | 46 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-4/14.5-46 | 4 | 14.5 | Yunnei | 46 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-7/8-60 | 6 | 10 | Yunnei | 60 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-6/13-60 | 6 | 13 | Yunnei | 60 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-5/17-60 | 5 | 17 | Yunnei | 60 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STYN-5/19-60 | 5 | 19 | Yunnei | 60 | 1300 | 2200x1650x1550 | 2 wheels single stage |
| STXY-6/15-76 | 6 | 15/17 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-10/14.5-76 | 10 | 14.5 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-12/10-76 | 12 | 10 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-6/17-76 | 6 | 17 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-10/8-76 | 10 | 8 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-10/10-76 | 10 | 10 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-5/20-76 | 12 | 10 | Yuchai/Xichai | 76 | 1400 | 2250x1850x1800 | 2 wheels single stage |
| STXY-13/8-92 | 13 | 8 | Yuchai/Xichai | 92 | 1400 | 3550x2000x2250 | 4 wheels two stage |
| STXY-10/13-92 | 10 | 13 | Yuchai/Xichai | 92 | 1400 | 3550x2000x2250 | 4 wheels two stage |
| STXY-10/14.5-92 | 10 | 14.5 | Yuchai/Xichai | 92 | 1400 | 3550x2000x2250 | 4 wheels two stage |
| STYC-24/8-176 | 24 | 8 | Yuchai | 176 | 2500 | 3550x2000x2250 | 4 wheels two stage |
| STYC-34/10-264 | 34 | 10 | Yuchai | 264 | 2900 | 3930x2000x2250 | 4 wheels two stage |

Widely used in roads, railways, mines, water conservancy, shipbuilding, urban construction, energy, military industry, etc.

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# OIL-FREE SCROLL AIR COMPRESSOR

## Features

- Oil-free characteristics: The compression chamber is independent and there is no lubricant medium inside, making the compressed gas clean.
- Silent operation: There is no contact between the dynamic and static disks, and the overall dynamic balance of the compressor head results in low vibration and noise levels.
- Energy-saving features: The vortex disk continuously compresses with less wasted work.
- High reliability: The core components are precise, the rotating bearings have high requirements, and there are relatively few parts.
- Compact size: The rotating radius is small, the speed is high, and the structure is compact.
- Lightweight: The dynamic disk, static disk, and frame are made of aluminum alloy materials.
- Low operating costs: There are fewer easily damaged parts, no cooling oil or oil-gas separation system, and low maintenance costs.
- High efficiency: Continuous compression results in less leakage, and the displacement difference between low and high pressure stages is not significant.
- Convenient to use: Long maintenance cycles, easy maintenance, and no need for a hot engine process in winte

## Parameters

| Model | Air Delivery ($m^3$/min) | Maximum Pressure (Mpa) | Motor Power (KW) | Motor Power (HP) | Scroll Block | Noise (dB (A)) | Voltage (V/HZ/Phase) | Dimension (mm) | Weight (Kg) | Outlet Hole Size (Inch) | Air Tank (L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ST-D04/08-A1 | 0.3 | 0.8 | 3.0 | 4 | 1*04 | 55±2 | 220/50/1 | 760x690x820 | 200 | 3/4 | 5 |
| ST-D06/08-A4 | 0.6/0.4 | 0.8/1.0 | 5.5 | 7 | 1*04 | 55±2 | 380/50/3 | 760x690x820 | 200 | 3/4 | 5 |
| ST-D04/08-A4 | 0.4/0.3 | 0.8/1.0 | 3.7 | 5 | 1*04 | 55±2 | 380/50/3 | 760x690x820 | 200 | 3/4 | 5 |
| ST-Q08/08-S1 | 0.8 | 0.8 | 7.5 | 10 | 2*04 | 60±2 | 220/50/1 | 1400x700x1200 | 400 | 1 1/2 | 24 |
| ST-Z08/08-S1 | 0.8/0.6 | 0.8/1.0 | 7.5 | 10 | 2*04 | 60±2 | 380/50/3 | 1400x700x1200 | 350 | 1 1/2 | 24 |
| ST-Z12/08-S1 | 1.2/0.8 | 0.8/1.0 | 11 | 15 | 2*06 | 60±2 | 380/50/3 | 1400x700x1200 | 350 | 1 1/2 | 24 |
| ST-218/08-S1 | 1.8/1.5 | 0.8/1.0 | 16.5 | 22 | 3*06 | 62±2 | 380/50/3 | 1400x700x1200 | 500 | 1 1/2 | 24 |
| ST-Z24/08-S1 | 2.4/2.0 | 0.8/1.0 | 22 | 30 | 4*06 | 65±2 | 380/50/3 | 1400x1550x1200 | 800 | 1 1/2 | 24*2 |
| ST-Z30/08-S1 | 3.0/2.4 | 0.8/1.0 | 27.5 | 37 | 5*06 | 65±2 | 380/50/3 | 1400x1550x1200 | 1080 | 1 1/2 | - |
| ST-Z36/08-S1 | 3.6/3.0 | 0.8/1.0 | 33 | 45 | 6*06 | 65±2 | 380/50/3 | 1400x1550x1200 | 1200 | 1 1/2 | - |
| ST-Z42/08-S1 | 4.2/3.6 | 0.8/1.0 | 38.5 | 52 | 7*06 | 65±2 | 380/50/3 | 2320x1450x1740 | 1400 | 1 1/2 | - |
| ST-Z48/08-S1 | 4.8/4.0 | 0.8/1.0 | 44 | 59 | 8*06 | 65±2 | 380/50/3 | 2320x1450x1740 | 1520 | 1 1/2 | - |
| ST-Z54/08-S1 | 5.4/4.5 | 0.8/1.0 | 49.5 | 67 | 9*06 | 65±2 | 380/50/3 | 2320x1450x1740 | 1650 | 1 1/2 | - |
| ST-D04/08-J3 | 0.4/0.33 | 0.8/1.0 | 3.7 | 5 | 1*04 | 55±2 | 380/50/3 | 1400x840x1490 | 300 | 1 | 200 |
| ST-D06/08-J3 | 0.6/0.49 | 0.8/1.0 | 5.5 | 7 | 1*06 | 55±2 | 380/50/3 | 1400x840x1490 | 320 | 1 | 200 |
| ST-D04/08-J7 | 0.4/0.33 | 0.8/1.0 | 3.7 | 5 | 1*04 | 55±2 | 380/50/3 | 1810x820x1700 | 350 | 3/4 | 200 |
| ST-D06/08-J7 | 0.6/0.49 | 0.8/1.0 | 5.5 | 7 | 1*06 | 55±2 | 380/50/3 | 1810x820x1700 | 380 | 3/4 | 200 |

Suitable for food processing industry, pharmaceutical industry, medical treatment, precision electronics industry, precision processing equipment

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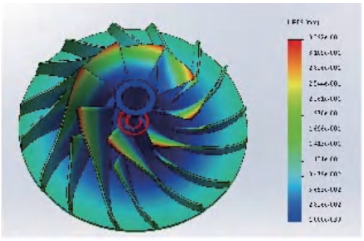
# OIL-FREE CENTRIFUGAL AIR BEARING AIR COMPRESSOR

The air-suspended centrifugal compressor is a single-stage centrifugal compressor that does not require a gearbox, speed increaser, or coupling. It is directly driven by a high-speed permanent magnet synchronous motor (PMSM), and the motor is controlled by a variable frequency drive (VFD) for speed regulation. The impeller of the compressor is directly coupled to the motor, and the shaft is suspended on an active air bearing.

## High-speed permanent magnet synchronous motor

- It adopts a high-efficiency permanent magnet synchronous motor (PMSM) with an efficiency ≥ 96%;
- Compact in size;
- It can achieve precise speed control, up to a maximum of 100,000 r/min;
- The motor shaft is directly connected to the impeller, with a transmission efficiency of 100%;
- The insulation class is H class (maximum temperature resistance of 170°C);
- The motor pole number is 2 poles, suitable for a power supply of AC 380V/50Hz

## Impeller



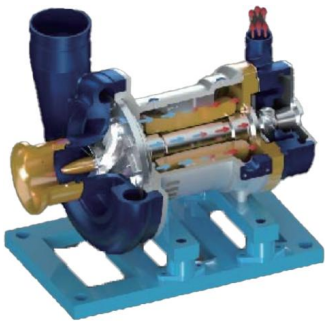
- It is made of high-hardness heat-treated aviation aluminum AL7075 (aviation aluminum);
- It is precisely manufactured through 5-axis machining center, with tolerances kept below 5/1000 millimeters;
- The surface is smooth and clean, and it has higher efficiency compared to cast impellers;
- It has high strength, suitable for harsh working conditions of high temperature and high pressure;
- It is lightweight, with low power consumption;
- The direct connection between the impeller and the shaft can achieve a power transmission efficiency of 100%.

## Air bearing

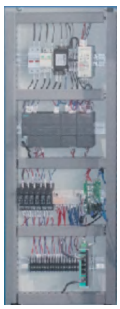
- An air bearing utilizes high-speed centrifugal force to suspend itself.
- It has a simple structure and does not require auxiliary devices such as lubricating oil supply;
- It works on a non-contact basis, with no need for maintenance or repair;
- The bearing operates without vibration.

## Efficient cooling system

We use a dual-stage air-cooling and self-cooling method with the latest technology, and set up separate air flow channels inside and outside the main unit in a reasonable and ingenious way to maximize the cooling of the main unit. This ensures that the blower system can still operate steadily and reliably even in hot summers.



# OIL-FREE CENTRIFUGAL AIR BEARING AIR COMPRESSOR



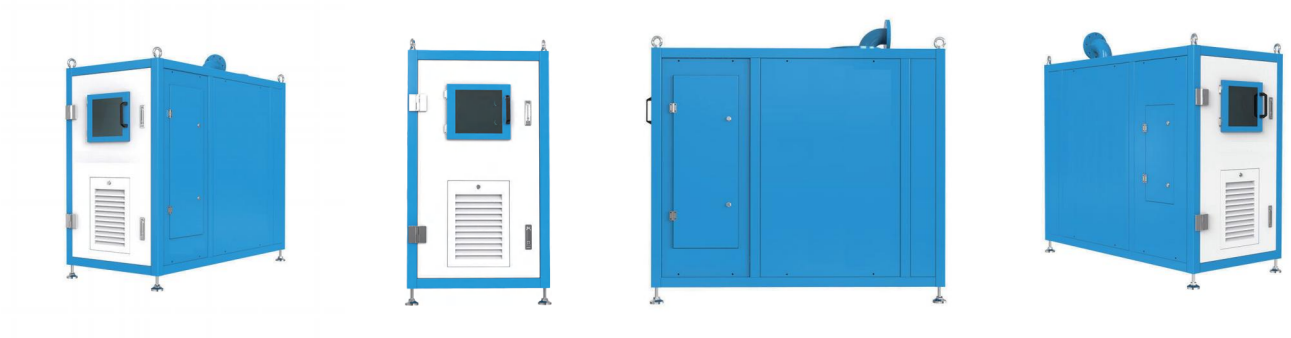
## Features

- Contactless operation, meaning no mechanical bearings that can wear out or fail.
- Low noise output due to minimal wear and vibration.
- High efficiency and energy-saving, thanks to minimal friction loss and the ability to achieve precise control through frequency conversion speed regulation.
- High reliability with low maintenance costs and a long service life.
- Easy maintenance due to a simple structure without traditional mechanical bearings.
- A substitute for Roots blower with smaller power consumption, longer service life, and lower maintenance cost

## Parameters

| Model | Type | Air Delivery ($m^3$/min) | | | | | Motor Power (KW) | Outlet Connection | Dimension (mm) | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.4 | 0.6 | 0.7 | 0.8 | 1.0 | | | | |
| ST-XLCB20 | Single impeller | 16 | 14 | 13 | 11 | 8 | 15 | DN150 | 700x1600x1380 | 430 |
| ST-XLCB30 | Single impeller | 32 | 21 | 20 | 18 | 13 | 22 | DN150 | 700x1600x1380 | 430 |
| ST-XLCB50 | Single impeller | 47 | 35 | 32 | 29 | 23 | 37 | DN150 | 700x1600x1380 | 470 |
| ST-XLCB60 | Single impeller | 55 | 41 | 38 | 35 | 27 | 45 | DN200 | 850x1775x1670 | 620 |
| ST-XLCB75 | Single impeller | 75 | 52 | 48 | 43 | 35 | 55 | DN200 | 850x1775x1670 | 620 |
| ST-XLCB100 | Single impeller | 95 | 70 | 63 | 56 | 46 | 75 | DN200 | 850x1775x1670 | 630 |
| ST-XLCB120 | Single impeller | 120 | 86 | 79 | 71 | 53 | 90 | DN200 | 850x1775x1670 | 650 |
| ST-XLCB150 | Single impeller | 150 | 106 | 96 | 85 | 68 | 110 | DN300 | 1250x1975x1880 | 1150 |
| ST-XLCB200 | Single impeller | 190 | 141 | 126 | 110 | 88 | 160 | DN300 | 1250x1975x1880 | 1200 |
| ST-XLCB250 | Single impeller | 218 | 165 | 151 | 136 | 105 | 185 | DN300 | 1250x1975x2080 | 1350 |
| ST-XLCB300 | Double impeller | 248 | 212 | 189 | 166 | 135 | 220 | DN400 | 1300x2475x2200 | 1900 |
| ST-XLCB400 | Double impeller | 331 | 283 | 252 | 221 | 177 | 300 | DN400 | 1300x2475x2200 | 2150 |
| ST-XLCB500 | Double impeller | 434 | 339 | 302 | 265 | 211 | 365 | DN500 | 1600x2500x2250 | 2600 |
| ST-XLCB600 | Double impeller | 484 | 399 | 356 | 313 | 249 | 450 | DN600 | 2100x2700x2250 | 3300 |

# OIL-FREE CENTRIFUGAL MAGNETIC BEARING COMPRESSOR



## Features

- No lubricating oil system, which reduces heat transfer resistance and improves heat transfer efficiency
- No need for preheating, fast start-up and low start-up current.
- Simplified Machine Structure
- Lower operating noise and vibration
- Energy saving, faster and more reliable

## Parameters

| Model | Motor Power (KW) | Air Delivery ($m^3$/min) | | | | | Dimension (mm) | Weight (Kg) | Outlet Connection |
|---|---|---|---|---|---|---|---|---|---|
| | | 40 | 60 | 80 | 100 | 120 | | | |
| ST-XLMCB 30 | 22 | 30 | 20 | 17 | - | - | 1820x780x1390 | 450 | DN150 |
| ST-XLMCB 40 | 30 | 40 | 27 | 23 | - | - | 1820x780x1390 | 450 | DN150 |
| ST-XLMCB 50 | 37 | 50 | 34 | 28 | 22 | - | 1820x780x1390 | 450 | DN150 |
| ST-XLMCB 60 | 45 | 60 | 42 | 34 | 26 | - | 1860x950x1780 | 700 | DN200 |
| ST-XLMCB 75 | 55 | 75 | 52 | 42 | 35 | - | 1860x950x1780 | 700 | DN200 |
| ST-XLMCB 100 | 75 | 100 | 69 | 52 | 48 | 39 | 1860x950x1780 | 700 | DN200 |
| ST-XLMCB 125 | 90 | 125 | 82 | 69 | 57 | 48 | 1950x1250x2000 | 1250 | DN300 |
| ST-XLMCB 150 | 110 | 150 | 105 | 82 | 73 | 58 | 1950x1250x2000 | 1250 | DN300 |
| ST-XLMCB 200 | 150 | 200 | 140 | 105 | 96 | 78 | 2080x1350x2200 | 1500 | DN300 |
| ST-XLMCB 250 | 185 | 250 | 160 | 109 | 118 | 95 | 2080x1350x2200 | 1500 | DN300 |
| ST-XLMCB 300 | 220 | 300 | 210 | 135 | 145 | 117 | 2480x1350x2570 | 2300 | DN400 |
| ST-XLMCB 400 | 300 | 400 | 272 | 164 | 190 | 156 | 2480x1350x2570 | 2300 | DN400 |
| ST-XLMCB 500 | 375 | - | 320 | 216 | 225 | 200 | 2650x1450x2600 | 2900 | DN500 |
| ST-XLMCB 600 | 450 | - | 420 | 270 | 270 | 240 | 2650x1450x2600 | 2900 | DN500 |
| ST-XLMCB 800 | 600 | - | 545 | 325 | 360 | 318 | 3500x1800x3000 | 3500 | DN600 |
| ST-XLMCB 1000 | 750 | - | 640 | 540 | 452 | 400 | 3500x1800x3000 | 3500 | DN600 |

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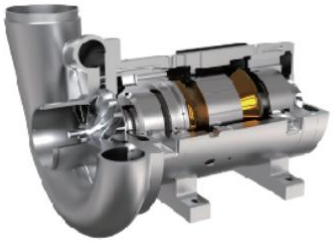
# OIL-FREE CENTRIFUGAL MAGNETIC BEARING COMPRESSOR

## High-speed permanent magnet motor

- Uses a high-efficiency permanent magnet synchronous motor (PMSM) with an **efficiency of ≥96%**;
- The impeller is directly connected to the shaft, with a transmission efficiency of up to **100%**;
- Based on aerospace power engineering technology, the speed can reach over **100,000** revolutions per minute;
- The insulation class is H (maximum temperature resistance of **180°C**).



## Magnetic bearing

- A 5-degree-of-freedom magnetic bearing that carries 8 sensors;
- The sensor signal processing frequency is **10,000 times** per second, which accurately controls the position of the rotor axis
- High load capacity of up to 10kN radial and 20kN thrust;
- Rotor unbalance compensation and dynamic support stiffness;
- Contactless, wear-free, and lubrication-free.

## Sensor

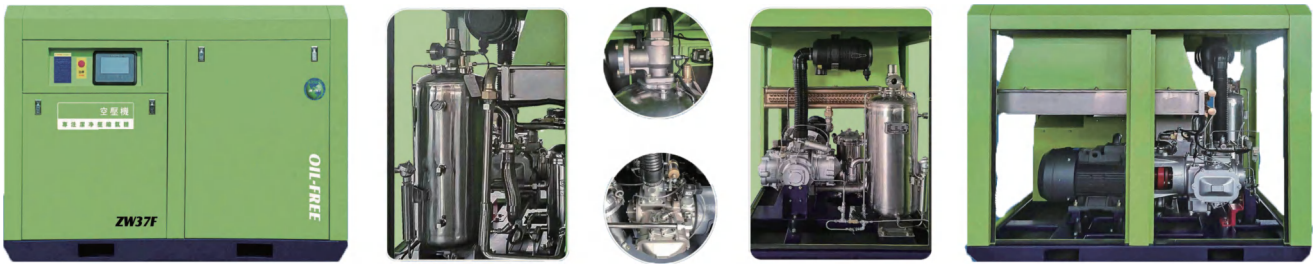
- Reliable sensor technology ensures stable operation of the magnetic bearing system.
- The sensors use either eddy current or inductive current.
- There is one sensor unit with three displacement sensors and one rotation sensor, and four channels for backup pulse sensors.
- The design features low noise and high resolution, with integrated protection to shield against external magnetic fields.

## Parameters

| Model | Motor Power (KW) | Compression Stage | Air Delivery/ Discharge Pressure ($m^3$/min)/(bar) | | | Cooling Method | Drive Type | Dimension (mm) | Weight (Kg) | Outlet Connection | Cooling Pipe Diameter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ST-XLTC100 | 75 | Two-Stage | 20.3/3 | 19.65/4 | 19.15/5 | Water Cooling | Direct Drive | 1800x1000x1780 | 940 | DN100 | G1 |
| ST-XLTC125 | 90 | Two-Stage | 27.65/3 | 25.75/4 | 23.61/5 | Water Cooling | Direct Drive | 1800x1000x1780 | 950 | DN100 | G1 |
| ST-XLTC150 | 110 | Two-Stage | 31.24/3 | 29.01/4 | 27.32/5 | Water Cooling | Direct Drive | 2000x1150x2000 | 1260 | DN125 | G11/4 |
| ST-XLTC175 | 132 | Two-Stage | 35.2/3 | 33.2/4 | 31.25/5 | Water Cooling | Direct Drive | 2000x1150x2000 | 1300 | DN125 | G11/4 |
| ST-XLTC200 | 160 | Two-Stage | 47.6/3 | 44.1/4 | 41.31/5 | Water Cooling | Direct Drive | 2000x1150x2000 | 1300 | DN125 | G11/4 |
| ST-XLTC250 | 185 | Two-Stage | 49.87/3 | 47.12/4 | 45.8/5 | Water Cooling | Direct Drive | 2475x1300x2200 | 1620 | DN150 | G11/2 |
| ST-XLTC270 | 200 | Two-Stage | 52.2/3 | 49.3/4 | 46.75/5 | Water Cooling | Direct Drive | 2475x1300x2200 | 1700 | DN150 | G11/2 |
| ST-XLTC300 | 220 | Two-Stage | 54.5/3 | 53.3/4 | 52.0/5 | Water Cooling | Direct Drive | 2475x1300x2200 | 1700 | DN150 | G11/2 |
| ST-XLTC350 | 250 | Two-Stage | 62.3/3 | 58.9/4 | 56.1/5 | Water Cooling | Direct Drive | 2475x1300x2200 | 1800 | DN150 | G11/2 |

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

## Air cooler




## Water cooler

**C**ompared with traditional dry type two-stage compression, water lubricated single-stage compression has congenital superiority, as the two unique characteristics of low temperature compression and low rpm operation,
its high volumetric efficiency and durability arethe greatest return tousers; The use of water lubrication wil greatly reduce the user's operating costs and absolutely oil-free is the best guarantee of the quality of air supply!

做功平衡 運行平穩
Suction
Compression
Discharge
The host shell, star wheels and rotors of airend are made of stainless steel
and special alloy materials, all of them are processed by special CNC machine,
to ensure that the core parts will never scale and rust.

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

## Normal pressure series Parameters

| Model | Power (KW) | Pressur (bar) | Air Delivery ($m^3$/min) | Noise Level (dB (A)) | Connection | Weight (Kg) | Lubricating water (L) | Filter Element (B)- (Z) | Dimension (mm) |
|---|---|---|---|---|---|---|---|---|---|
| ST-ZW7.5F-8 | 7.5 | 8 | 1 | 60 | RP 3/4 | 400 | 22 | (25cm)1 | 1000X720X1050 |
| ST-ZW7.5F-10 | | 10 | 0.8 | | | | | | |
| ST-ZW11F-8 | 11 | 8 | 1.6 | 63 | RP 3/4 | 460 | 22 | (25cm)1 | 1156X845X1250 |
| ST-ZW11F-10 | 15 | 10 | 1.4 | 65 | RP1 | 620 | 28 | (50cm)1 | 1306X945X1260 |
| ST-ZW15F-8 | | 8 | 2.5 | | | | | | |
| ST-ZW18F-8 | 18 | 8 | 3 | 67 | RP1 | 750 | 33 | (50cm)1 | 1520X1060X1390 |
| ST-ZW18F-10 | | 10 | 2.5 | | | | | | |
| ST-ZW22F-8 | 22 | 8 | 3.6 | 68 | RP1 | 840 | 33 | (50cm)1 | 1520X1060X1390 |
| ST-ZW22F-10 | | 10 | 3.2 | | | | | | |
| ST-ZW30F-8 | 30 | 8 | 5 | 69 | RP11/4 | 1050 | 66 | (25cm)5 | 1760X1160X1490 |
| ST-ZW30F-10 | | 10 | 4.5 | | | | | | |
| ST-ZW37F-8 | 37 | 8 | 6.2 | 71 | RP11/4 | 1100 | 66 | (25cm)5 | 1760X1160X1490 |
| ST-ZW37F-10 | | 10 | 5.8 | | | | | | |
| ST-ZW45S-8 | 45 | 8 | 7.3 | 74 | RP 11/2 | 1050 | 88 | (25cm)5 | 1760X1160X1490 |
| ST-ZW45F-8 | 45 | 8 | 7.3 | 74 | RP 11/4 | 1200 | 88 | (25cm)5 | 1760X1160X1490 |
| ST-ZW45BS-8 | 45 | 8 | 8.1 | 74 | RP 2 | 1200 | 110 | (50cm)5 | 1900X1250X1361 |
| ST-ZW45BF-8 | 45 | 8 | 8.1 | 74 | RP2 | 2000 | 110 | (50cm)5 | 2350X1250X1880 |
| ST-ZW55S-8 | 55 | 8 | 10 | 74 | RP2 | 1250 | 110 | (50cm)5 | 1900X1250X1361 |
| ST-ZW55S-10 | | 10 | 9 | | | | | | |
| ST-ZW55F-8 | 55 | 8 | 10 | 74 | RP2 | 2200 | 110 | (50cm)7 | 2350X1250X1880 |
| ST-ZW75S-8 | 75 | 8 | 13 | 75 | RP2 | 1650 | 110 | (50cm)5 | 1900X1250X1361 |
| ST-ZW75S-10 | | 10 | 10 | | | | | | |
| ST-ZW75F-8 | 75 | 8 | 13 | 75 | RP2 | 2500 | 110 | (50cm)7 | 2550X1620X1880 |
| ST-ZW90S-8 | 90 | 8 | 15 | 76 | RP2 | 2050 | 110 | (50cm)5 | 1900X1250X1361 |
| ST-ZW90S-10 | | 10 | 12.8 | | | | | | |
| ST-ZW90F-8 | 90 | 8 | 15 | 76 | RP2 | 2650 | 110 | (50cm)7 | 2550X1620X1880 |
| ST-ZW110S-8 | 110 | 8 | 20 | 78 | DN 65 | 2550 | 130 | (50cm)12 | 2200X1600X1735 |
| ST-ZW110S-10 | 110 | 10 | 17.8 | 78 | DN65 | 3500 | 130 | (50cm)12 | 3000X1700X2250 |
| ST-ZW110F-8 | | 8 | 20 | | | | | | |
| ST-ZW132S-8 | 132 | 8 | 23 | 80 | DN 65 | 2700 | 130 | (50cm)12 | 2200X1600X1735 |
| ST-ZW132S-10 | | 10 | 19 | | | | | | |
| ST-ZW160S-8 | 160 | 8 | 26 | 82 | DN 65 | 2900 | 165 | (50cm)12 | 2200X1600X1735 |
| ST-ZW185S-8 | 185 | 8 | 30 | 83 | DN100 | 3300 | 180 | (50cm)22 | 2860X1800X1945 |
| ST-ZW200S-8 | 200 | 8 | 33 | 83 | DN100 | 3500 | 180 | (50cm)22 | 2860X1800X1945 |
| ST-ZW220S-8 | 220 | 8 | 36 | 85 | DN100 | 4500 | 180 | (50cm)22 | 2860X2000X2300 |
| ST-ZW250S-8 | 250 | 8 | 40 | 85 | DN100 | 4700 | 180 | (50cm)22 | 2860X2000X2300 |
| ST-ZW315S-8 | 315 | 8 | 50 | 90 | DN 100 | 5000 | 180 | (50cm)22 | 2860X2000X2300 |

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

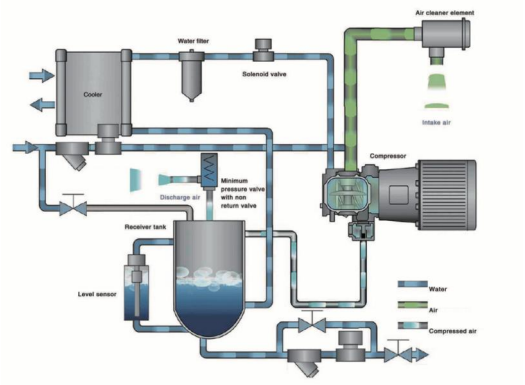
## Medium pressure series Parameters

| Model | Power (KW) | Pressur (bar) | Air Delivery ($m^3$/min) | Noise Level (dB (A)) | Connection | Weight (Kg) | Dimension (mm) |
|---|---|---|---|---|---|---|---|
| ST-ZW41ZF-3.7/3.0 | 30+11 | 30 | 3.7 | 65 | DN20 | 1650 | 3000×1400×1700 |
| ST-ZW41ZS-3.7/3.0 | 30+11 | 30 | 3.7 | 65 | DN20 | 1250 | 2900×1400×1700 |
| ST-ZW48ZF-3.714.0 | 30+18.5 | 40 | 3.7 | 65 | DN20 | 1700 | 3000×1400×1700 |
| ST-ZW48ZS-3.7/4.0 | 30+18.5 | 40 | 3.7 | 65 | DN20 | 1300 | 2900×1400×1700 |
| ST-ZW45ZF-4.5/3.0 | 30+15 | 30 | 4.5 | 65 | DN25 | 1700 | 3000×1400×1700 |
| ST-ZW45ZS-4.5/3.0 | 30+15 | 30 | 4.5 | 65 | DN25 | 1400 | 2900×1400×1700 |
| ST-ZW52ZF-4.5/4.0 | 30+22 | 40 | 4.5 | 65 | DN25 | 1700 | 3000×1400×1700 |
| ST-ZW52ZS-4.5/4.0 | 30+22 | 40 | 4.5 | 65 | DN25 | 1400 | 2900×1400×1700 |
| ST-ZW52ZF-6.0/2.0 | 37+15 | 20 | 6 | 70 | DN25 | 1820 | 3000×1400×1700 |
| ST-ZW52ZS-6.0/2.0 | 37+15 | 20 | 6 | 70 | DN25 | 1400 | 2900×1400×1700 |
| ST-ZW59ZF-6.0/3.0 | 37+22 | 30 | 6 | 70 | DN25 | 2000 | 3000×1400×1700 |
| ST-ZW59ZS-6.0/3.0 | 37+22 | 30 | 6 | 70 | DN25 | 1700 | 2900×1400×1700 |
| ST-ZW67ZF-6.0/4.0 | 37+30 | 40 | 6 | 70 | DN25 | 2100 | 3000×1400×1700 |
| ST-ZW67ZS-6.0/4.0 | 37+30 | 40 | 6 | 70 | DN25 | 1800 | 2900×1400×1700 |
| ST-ZW77ZF-10.0/2.0 | 55+22 | 20 | 10 | 73 | DN32 | 3000 | 3600×1750×2000 |
| ST-ZW77ZS-10.0/2.0 | 55+22 | 20 | 10 | 73 | DN32 | 2200 | 3500×1500×1730 |
| ST-ZW92ZF-10.0/3.0 | 55+37 | 30 | 10 | 73 | DN32 | 3000 | 3600×1750×2000 |
| ST-ZW92ZF-10.0/3.0 | 55+37 | 30 | 10 | 73 | DN32 | 2300 | 3500×1500×1730 |
| ST-ZW112ZF-10.0/4.0 | 75+37 | 40 | 10 | 73 | DN32 | 3400 | 4000×1750×2030 |
| ST-ZW112ZS-10.0/4.0 | 75+37 | 40 | 10 | 73 | DN32 | 2400 | 3500×1500×1730 |
| ST-ZW105ZF-13.0/2.0 | 75+30 | 20 | 13 | 75 | DN40 | 3500 | 4000×1750×2030 |
| ST-ZW105ZS-13.0/2.0 | 75+30 | 20 | 13 | 75 | DN40 | 2700 | 3500×1500×1730 |
| ST-ZW120ZF-13.0/3.0 | 75+45 | 30 | 13 | 75 | DN40 | 3500 | 4000×1750×2030 |
| ST-ZW120ZS-13.0/3.0 | 75+45 | 30 | 13 | 75 | DN40 | 2950 | 3500×1500×1730 |
| ST-ZW135ZS-13.0/4.0 | 90+45 | 40 | 13 | 75 | DN40 | 3000 | 3500×1500×1730 |
| ST-ZW127ZS-16.0/2.0 | 90+37 | 20 | 16 | 77 | DN40 | 3300 | 4000×1700×1800 |
| ST-ZW145ZS-16.0/3.0 | 90+55 | 30 | 16 | 77 | DN40 | 3500 | 4000×1700×1800 |
| ST-ZW165ZS-16.0/4.0 | 110+55 | 40 | 16 | 77 | ON40 | 3500 | 4000×1700×1800 |
| ST-ZW165ZS-20.0/2.0 | 110+55 | 20 | 20 | 78 | DN50 | 3650 | 4000×1700×1800 |
| ST-ZW185ZS-20.0/3.0 | 110+75 | 30 | 20 | 78 | )N40 | 4000 | 4000×1700×1800 |
| ST-ZW207ZS-20.0/4.0 | 132+75 | 40 | 20 | 78 | DN40 | 4000 | 4000×1700×1800 |
| ST-ZW197ZS-24.0/2.0 | 132+65 | 20 | 24 | 78 | DN50 | 4500 | 4000×1800×2100 |
| ST-ZW222ZS-24.0/3.0 | 132+90 | 30 | 24 | 78 | DN50 | 4500 | 4000×1800×2100 |
| ST-ZW250ZS-24.0/4.0 | 160+90 | 40 | 24 | 78 | DN50 | 4600 | 4000×1800×2100 |
| ST-ZW220ZS-28.0/2.0 | 185+55 | 20 | 28 | 78 | DN65 | 4600 | 4200×2000×2100 |
| ST-ZW260ZS-28.0/3.0 | 185+75 | 30 | 28 | 78 | DN5O | 4700 | 4200×2000×2100 |
| ST-ZW290ZS-28.0/4.0 | 200+90 | 40 | 28 | 78 | DN50 | 4800 | 4200×2000×2100 |
| ST-ZW295ZS-36.0/2.0 | 185+110 | 20 | 36 | 80 | DN65 | 5000 | 4500×2250×2200 |
| ST-ZW317ZS-36.0/3.0 | 185+132 | 30 | 36 | 80 | DN65 | 5000 | 4500×2250×2200 |
| ST-ZW360ZS-36.0/4.0 | 200+160 | 40 | 36 | 80 | DN65 | 5000 | 4500×2250×2200 |
| ST-ZW330ZS-40.0/2.0 | 220+110 | 20 | 40 | 80 | DN65 | 5000 | 4500×2250×2200 |
| ST-ZW352ZS-40.0/3.0 | 220+132 | 30 | 40 | 80 | DN65 | 5000 | 4500×2250×2200 |
| ST-ZW405ZS-40.0/4.0 | 220+185 | 40 | 40 | 80 | DN65 | 5000 | 4500×2250×2200 |

# OIL-FREE WATER LUBRICATION SCREW AIR COMPRESSOR

## Low pressure series Parameters

| Model | Power (KW) | Pressure (bar) | Air Delivery ($m^3$/min) | Noise Level (dB (A)) | Connection | Weight (Kg) | Dimension (mm) |
|---|---|---|---|---|---|---|---|
| ST-ZW15DF-4 | 11 | 4 | 2.5 | 58 | RP1 | 600 | 1306X945×1260 |
| ST-ZW22DF-4 | 15 | 4 | 3.6 | 60 | RP1 | 800 | 1520X1060X1390 |
| ST-ZW37DF-4 | 22 | 4 | 5 | 61 | RP11/4 | 1050 | 1760X1160X1490 |
| ST-ZW45DF-4 | 37 | 4 | 8.1 | 65 | RP2 | 1950 | 2350X1250X1880 |
| ST-ZW45DS-4 | 37 | 4 | 8.1 | 65 | RP2 | 1150 | 1900×1250X1361 |
| ST-ZW55DF-4 | 45 | 4 | 10 | 70 | RP2 | 2050 | 2350X1250X1880 |
| ST-ZW55DS-4 | 45 | 4 | 10 | 70 | RP2 | 1200 | 1900X1250X1361 |
| ST-ZW75DF-4 | 55 | 4 | 13 | 71 | RP2 | 2400 | 2550X1620X1880 |
| ST-ZW75DS-4 | 55 | 4 | 13 | 71 | RP2 | 1550 | 1900×1250X1361 |
| ST-ZW90DF-4 | 75 | 4 | 15 | 75 | RP2 | 2550 | 2550X1620X1880 |
| ST-ZW90DS-4 | 75 | 4 | 15 | 75 | RP2 | 2000 | 1900X1250X1361 |
| ST-ZW110DF-4 | 90 | 4 | 20 | 77 | DN65 | 3350 | 3000X1700X2250 |
| ST-ZW110DS-4 | 90 | 4 | 20 | 77 | DN65 | 2550 | 2200X1600X1735 |
| ST-ZW160DS-4 | 110 | 4 | 26 | 77 | DN65 | 2750 | 2200X1600X1735 |
| ST-ZW185DS-4 | 132 | 4 | 30 | 78 | DN100 | 3100 | 2860X1800X1945 |
| ST-ZW200DS-4 | 160 | 4 | 33 | 78 | DN100 | 3300 | 2860X1800X1945 |
| ST-ZW250DS-4 | 185 | 4 | 40 | 79 | DN100 | 4400 | 2860X1800X1945 |
| ST-ZW315DS-4 | 200 | 4 | 45 | 80 | DN100 | 4500 | 2860X1800X1945 |
| ST-ZW355DS-4 | 220 | 4 | 50 | 80 | DN100 | 4600 | 2860X1800X1945 |

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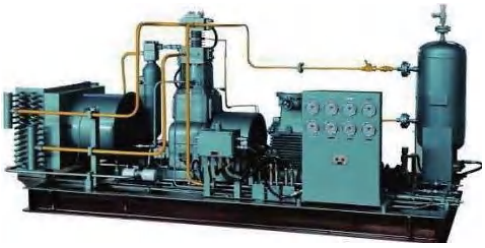
# SPECIAL GAS COMPRESSOR

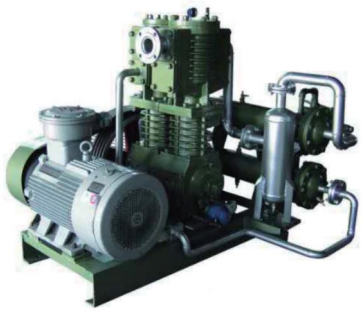
The special gas compressor is divided into six major series, with a volume flow rate of 0.05-200m3 and a pressure range of 0-40MPa. It can compress various types of special gases with similar media, such as liquefied petroleum gas, natural gas, chloromethane, liquid ammonia, propylene, Freon, nitrogen, casing gas, air, dimethyl ether, oilfield gas, hydrogen nitrogen gas, carbon dioxide, pentafluoromethane, refrigerant, trifluoropropene, coal gas, low-temperature ethylene, etc. The product is widely used in departments such as gas, petroleum, chemical, pharmaceutical, food, urban construction, etc.

## For oil field and refinery gas

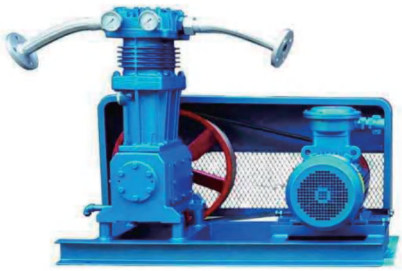
## For natural gas refueling station

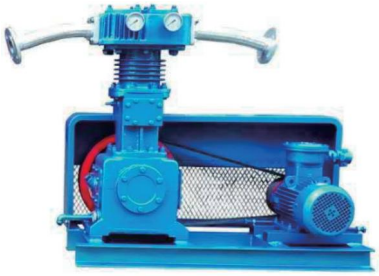


## For natural gas refueling station



## For natural gas dehydration system

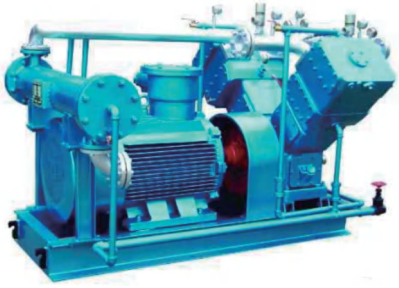




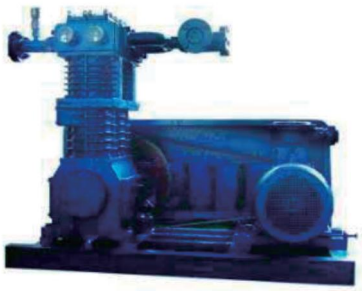
# SPECIAL GAS COMPRESSOR

## For liquefied petroleum gas

## For chemical and special industrial gas



## For the recovery of nitrogen sulfide process gas and tire pyrolysis gas



# SPECIAL GAS COMPRESSOR

## Parameters

| Model | Gas Type | Air Delivery (m³/min) | Intake pressure (MPa) | Discharge pressure (MPa) | Cooling Method | Rotation Speed (r/min) | Motor Power (KW) | Dimension (mm) | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| For Natural Gas | | | | | | | | | |
| ST-ZW0.1/(30-170)-210 | Natural Gas | 0.1 | 3-17 | 21 | Air Cooling | 740 | 30 | 2700×2000×1950 | 4000 |
| ST-ZW0.4/3-15 | Natural Gas | 0.4 | 0.3 | 1.5 | Air Cooling | 550 | 5.5 | 1450×800×1050 | 650 |
| ST-ZW0.62/2-40 | Natural Gas | 0.62 | 0.2 | 4.0 | Air Cooling | 600 | 22 | 1600×1635×1300 | 1120 |
| ST-ZW1.5/2-6 | Natural Gas | 1.5 | 0.1-0.2 | 0.6 | Air Cooling | 550 | 15 | 1400×900×1180 | 980 |
| ST-ZW1.6/0.5-1 | Natural Gas | 1.6 | 0.05 | 0.1 | Air Cooling | 580 | 7.5 | 1400×900×1180 | 900 |
| ST-ZW2.0/0.05-4 | Natural Gas | 2.0 | 0.005 | 0.4 | Air Cooling | 750 | 11 | 1400×900×1180 | 950 |
| ST-ZW2.0/2-16 | Natural Gas | 2.0 | 1.6 | 2.0 | Water Cooling | 780 | 30 | 2200×1800×1550 | 1800 |
| ST-ZW2.4/4-10 | Natural Gas | 2.4 | 0.4 | 1.0 | Air Cooling | 820 | 30 | 1430×900×1180 | 1030 |
| ST-ZW2/0.05-3 | Natural Gas | 2 | 0.005 | 0.3 | Air Cooling | 750 | 11 | 1400×900×1180 | 950 |
| ST-ZW2.2/0.5-3 | Natural Gas | 2.2 | 0.05 | 0.3 | Air Cooling | 800 | 11 | 1400×900×1180 | 950 |
| ST-ZW2.5/0.1-1 | Natural Gas | 2.5 | 0.01 | 0.1 | Air Cooling | 850 | 11 | 1400×900×1180 | 950 |
| ST-VW3.5/1-18 | Natural Gas | 3.5 | 0.1 | 1.8 | Water Cooling | 980 | 55 | 2120×1648×1356 | 2000 |
| ST-VW9/0.04-3 | Natural Gas | 9 | 0.004 | 0.3 | Water Cooling | 980 | 45 | 1850×1700×1700 | 2000 |
| ST-VW3/2-8 | Natural Gas | 3 | 0.2 | 0.8 | Water Cooling | 730 | 22 | 1700×1700×1450 | 1500 |
| ST-VW14.5/0.5-2 | Natural Gas | 14.5 | 0.05 | 0.2 | Water Cooling | 740 | 55 | 2300×1700×1700 | 2100 |
| ST-VW1.5/6-50 | Natural Gas | 1.5 | 0.6 | 5.0 | Air Cooling | 990 | 75 | 2400×1800×1750 | 2300 |
| ST-VW7.5/0.5-3 | Natural Gas | 7.5 | 0.05-0.08 | 0.3 | Water Cooling | 980 | 37 | 2300×1700×1700 | 1700 |
| ST-VW2.5/2-40 | Natural Gas | 2.5 | 0.2 | 4.0 | Water Cooling | 740 | 75 | 2500×1900×1600 | 2400 |
| ST-VW8/0.2-10 | Natural Gas | 8 | 0.02 | 1.0 | Water Cooling | 990 | 75 | 2400×1850×1650 | 2000 |
| ST-VW5/3 | Natural Gas | 5 | Normal | 0.3 | Water Cooling | 980 | 30 | 1780×1625×1325 | 1300 |
| ST-DW1.5/2-8 | Natural Gas | 1.5 | 0.1-0.2 | 0.6-0.8 | Water Cooling | 730 | 15 | 2000×2000×1100 | 1800 |
| ST-DW1/0.02-15 | Natural Gas | 1 | 0.002 | 1.5 | Water Cooling | 730 | 11 | 2000×1700×1100 | 1500 |
| ST-DW4.0/(0.5-0.8)-3 | Natural Gas | 4.0 | 0.05-0.08 | 0.3 | Air Cooling | 740 | 22 | 1800×1500×600 | 2000 |
| ST-DW5/1-250-X | Natural Gas | 5 | 0.1 | 25 | Water Cooling | 740 | 132 | 4800×2950×2700 | 15000 |
| ST-DW2.62/4-250-X | Natural Gas | 2.62 | 0.4 | 25 | Water Cooling | 740 | 132 | 4800×2950×2700 | 15000 |
| ST-DW1.35/10-250-X | Natural Gas | 1.35 | 1.0 | 25 | Water Cooling | 740 | 132 | 4800×2950×2700 | 14000 |
| ST-T0.28/(30-200)-250 | Natural Gas | 0.28 | 0.3-20 | 25 | Air Cooling | 740 | 75 | 5538×2438×2438 | 9620 |
| ST-VW).32/(30-200)-250 | Natural Gas | 0.32 | 0.3-20 | 25 | Air Cooling | 740 | 90 | 5538×2438×2438 | 9650 |
| ST-VW6/(0-16.2)- (5-20) | Natural Gas | 6 | (0-1.62) | (0.5-2.0) | Air Cooling | 740 | 75 | 3530×2140×1900 | 2350 |
| ST-VF0,28/(30-200)-250 | Natural Gas | 0.28 | 0.3-20 | 25 | Air Cooling | 740 | 75 | 5500×2000×2010 | 7620 |
| ST-VFO,32/(30-200)-250 | Natural Gas | 0.32 | 0.3-20 | 25 | Air Cooling | 740 | 90 | 5500×2000×2010 | 7650 |

| Model | Air Delivery (m³/min) | Rotation Speed (r/min) | Motor Power (KW) | Flow Rate (m³/d) | | |
|---|---|---|---|---|---|---|
| | | | | 0.1MPa | 0.2MPa | 0.3MPa |
| Recovery of casing gas in oil fields | | | | | | |
| **ST-ZW0.2/1-15** | 0.2 | 550 | 3 | 540 | 810 | 1070 |
| **ST-ZW0.4/1-15** | 0.4 | 550 | 5.5 | 1070 | 1610 | 2150 |
| **ST-ZW0.55/1-15** | 0.55 | 750 | 7.5 | 1480 | 2210 | 3950 |
| **ST-ZW1.0/1-15** | 1 | 750 | 11 | 2680 | 4030 | 5370 |
| **ST-ZW1.35/1-15** | 1.35 | 980 | 15 | 3620 | 5340 | 7250 |

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# AIR COMPRESSOR ACCESSORIES

## Parameters

| Model | Gas Type | Air Delivery ($m^3$/min) | Intake pressure (MPa) | Discharge pressure (MPa) | Cooling Method | Rotation Speed (r/min) | Motor Power (KW) | Dimension (mm) | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| **For liquefied petroleum gas** | | | | | | | | | |
| ST-ZW0.45/10-15(10-16) | LPG | 0.45 | 1.0 | 1.5(1.6) | Air Cooling | 440 | 5.5 | 1100×740×950 | 350 |
| ST-ZW0.5/10-15(10-16) | LPG | 0.5 | 1.0 | 1.5(1.6) | Air Cooling | 490 | 7.5 | 1100×740×950 | 360 |
| ST-ZW0.6/10-15(10-16) | LPG | 0.6 | 1.0 | 1.5(1.6) | Air Cooling | 585 | 7.5 | 1100×740×950 | 365 |
| ST-ZW0.8/10-15(10-16) | LPG | 0.8 | 1.0 | 1.5(1.6) | Air Cooling | 780 | 11 | 1100×740×950 | 420 |
| ST-ZW0.95/10-15(10-16) | LPG | 0.95 | 1.0 | 1.5(1.6) | Air Cooling | 925 | 11 | 1100×740×950 | 425 |
| ST-ZW1.0/10-15(10-16) | LPG | 1.0 | 1.0 | 1.5(1.6) | Air Cooling | 975 | 11 | 1100×740×950 | 430 |
| ST-ZW1.1/10-15(10-16) | LPG | 1.1 | 1.0 | 1.5(1.6) | Air Cooling | 130 | 15 | 1200×760×1040 | 490 |
| ST-ZW1.2/10-15(10-16) | LPG | 1.2 | 1.0 | 1.5(1.6) | Air Cooling | 535 | 15 | 1200×760×1040 | 500 |
| ST-ZW1.35/10-15(10-16) | LPG | 1.35 | 1.0 | 1.5(1.6) | Air Cooling | 600 | 18.5 | 1250×760×1040 | 530 |
| ST-ZW1.5/10-15(10-16) | LPG | 1.5 | 1.0 | 1.5(1.6) | Air Cooling | 665 | 18.5 | 1250×760×1040 | 540 |
| ST-ZW1.6/10-15(10-16) | LPG | 1.6 | 1.0 | 1.5(1.6) | Air Cooling | 710 | 22 | 1250×760×1040 | 580 |
| ST-ZW2.0/10-15(10-16) | LPG | 2.0 | 1.0 | 1.5(1.6) | Air Cooling | 890 | 30 | 1250×850×1040 | 650 |
| ST-ZW2.5/10-15(10-16) | LPG | 2.5 | 1.0 | 1.5(1.6) | Air Cooling | 915 | 37 | 1350×900×1200 | 860 |
| ST-ZW3.0/10-15(10-16) | LPG | 3.0 | 1.0 | 1.5(1.6) | Air Cooling | 980 | 45 | 1500×950×1400 | 1600 |
| ST-DW4.0/10-15(10-16) | LPG | 4.0 | 1.0 | 1.5(1.6) | Air Cooling | 980 | 55 | 2000×1700×1400 | 1700 |
| ST-DW5.0/10-15(10-16) | LPG | 5.0 | 1.0 | 1.5(1.6) | Air Cooling | 990 | 75 | 2000×1700×1400 | 1900 |
| ST-DW4.0/10-15(10-16) | LPG | 4.0 | 1.0 | 1.5(1.6) | Air Cooling | 980 | 55 | 2000×1700×1400 | 1700 |
| ST-DW5.0/10-15(10-16) | LPG | 5.0 | 1.0 | 1.5(1.6) | Air Cooling | 990 | 75 | 2000×1700×1400 | 1900 |
| ST-VW6.0/10-15(10-16) | LPG | 6.0 | 1.0 | 1.5(1.6) | Air Cooling | 990 | 90 | 2000×1700×1400 | 2000 |
| ST-VW8.0/10-15(10-16) | LPG | 8.0 | 1.0 | 1.5(1.6) | Air Cooling | 990 | 110 | 2000×1700×1400 | 2300 |
| **For chemical, oilfield, and refinery gas** | | | | | | | | | |
| ST-ZW0.15/15-25 | Hydrogen, nitrogen gas | 0.15 | 1.5 | 2.5 | Air Cooling | 320 | 5.5 | 1000×710×865 | 410 |
| ST-ZW0.2/20-35 | Wofluoroethane, tetrafluoroethane | 0.2 | 2.0 | 3.5 | Air Cooling | 375 | 7.5 | 1000×740×960 | 450 |
| ST-ZW0.4/10-16 | Trifluorobromomethane, methane | 0.4 | 1.0 | 1.6 | Air Cooling | 750 | 5.5 | 1000×710×865 | 410 |
| ST-ZW0.6/0.02-5 | Methyl bromide | 0.6 | 0.002 | 0.5 | Air Cooling | 520 | 5.5 | 1000×710×865 | 450 |
| ST-ZW0.6/10-16 | Dimethyl ether, butane | 0.6 | 1.0 | 1.6 | Air Cooling | 960 | 22 | 1000×710×865 | 660 |
| ST-ZW0.8/10-16 | Chloroethylene | 0.8 | 1.0 | 1.6 | Air Cooling | 550 | 11 | 1100×740×960 | 550 |
| ST-ZW1.0/0.2-15 | Chloroethylene | 1.0 | 0.02 | 1.5 | Air Cooling | 750 | 15 | 1679×1250×1187 | 1050 |
| ST-ZW1.0/0.3-12 | Dimethyl ether, light hydrocarbon tail gas, refinery gas, rich gas | 1.0 | 0.03 | 1.2 | Air Cooling | 750 | 11 | 2020×1380×1210 | 1100 |
| ST-ZW1.0/12-32 | Light hydrocarbon tail gas, refinery gas | 1.0 | 1.2 | 3.2 | Air Cooling | 750 | 37 | 1100×960×740 | 790 |
| ST-ZW2.5/8-16 | Freon, HFC-32, HFC-125 | 2.5 | 0.8 | 1.6 | Air Cooling | 850 | 37 | 1400×900×1180 | 1080 |
| ST-VW0.8/5-16 | Light hydrocarbon tail gas, refinery gas | 0.8 | 0.5 | 1.6 | Air Cooling | 820 | 22 | 1900×780×1000 | 900 |
| ST-VW0.85/5-40 | Chloromethane | 0.85 | 0.5 | 4.0 | Water Cooling | 730 | 37 | 1850×1800×1600 | 2000 |
| ST-VW3/8 | Hydrogen, methane | 3 | 常压 | 0.8 | Water Cooling | 730 | 22 | 1585×1630×1600 | 1800 |
| ST-VW4.0/0.2-2 | Propane | 4.0 | 0.02 | 0.2 | Water Cooling | 980 | 18.5 | 1700×1700×1400 | 1500 |
| ST-VW4.0/2-18 | Light hydrocarbon tail gas, alcohol vapor | 4.0 | 0.2 | 1.8 | Water Cooling | 740 | 55 | 1780×1700×1500 | 2200 |
| ST-VW4/1-23 | Propane | 4.0 | 0.1 | 2.3 | Water Cooling | 740 | 55 | 2000×1700×1500 | 2200 |
| VW6.0/0.3-12 | Propylene | 6.0 | 0.03 | 1.2 | Water Cooling | 980 | 55 | 2300×1700×1500 | 2500 |
| ST-VW8/0.2-12 | Oilfield gas, refinery tail gas, rich gas | 8 | 0.02 | 1.2 | Water Cooling | 990 | 75 | 2400×1850×1650 | 2500 |
| ST-VW8/2.5 | Refinery gas, oilfield gas, light hydrocarbon tail gas | 8 | 微正压 | 0.25 | Water Cooling | 980 | 30 | 1750×1700×1400 | 1800 |
| ST-VW9/0.04-3 | Difluoromethane | 9 | 0.004 | 0.3 | Water Cooling | 980 | 45 | 2120×1648×1556 | 2000 |
| ST-VW13/0.04-21 | Coal gas, natural gas | 13 | 0.004 | 2.1 | Water Cooling | 990 | 110 | 2350×1570×1475 | 3000 |
| ST-VW13.3/(0-4)-5 | Propylene gas, oilfield gas, refinery tail gas | 13.3 | 0-0.4 | 0.5 | Water Cooling | 990 | 90 | 2840×2300×1630 | 3000 |
| ST-DW1/0.02-15 | Chloromethane, dimethyl ether | 1 | 0.002 | 1.5 | Water Cooling | 730 | 11 | 2000×1900×1100 | 1500 |
| ST-DW1/2-16 | Dimethyl ether, light hydrocarbon tail gas, refinery gas | 1 | 0.2 | 1.6 | Water Cooling | 730 | 18.5 | 2000×1900×1100 | 1650 |
| ST-DW1/5-20 | Chemical tail gas, oilfield gas | 1 | 0.5 | 2.0 | Water Cooling | 730 | 30 | 2000×1900×1100 | 1800 |
| ST-DW2/0.02-15 | Oilfield gas | 2 | 0.002 | 1.5 | Water Cooling | 980 | 18.5 | 2021×1970×1137 | 1400 |
| ST-DW2.4/0.2-6 | Dimethyl ether, light hydrocarbon tail gas, refinery gas | 2.4 | 0.02 | 0.6 | Water Cooling | 980 | 18.5 | 2000×1920×1100 | 1400 |
| ST-DW2/10-15 | Refinery gas, oilfield gas, isobutylene | 2 | 1.0 | 1.5 | Air Cooling | 730 | 30 | 1686×1900×880 | 1450 |
| ST-DW2/16-24 | Methyl bromide | 2 | 1.6 | 2.4 | Air Cooling | 730 | 45 | 1686×1900×880 | 1450 |
| ST-DW3/10-15 | Propylene gas, butadiene | 3 | 1.0 | 1.5 | Air Cooling | 980 | 45 | 1686×1900×930 | 1400 |
| ST-DW1/4-22 | Butane, butene | 1 | 0.4 | 2.2 | Water Cooling | 730 | 30 | 2000×2000×1100 | 1800 |
| ST-VW4.5/16 | Nitrogen gas, oilfield gas | 4.5 | 常压 | 1.6 | Water Cooling | 860 | 37 | 2300×1750×1650 | 2500 |
| ST-ZW0.06/5-8 | Pentafluoroethane | 0.06 | 0.5 | 0.8 | Air Cooling | 730 | 7.5 | 1280×590×900 | 270 |
| ST-2ZW30/10 | Sour gas | 30 | 常压 | 1 | Water Cooling | 900 | 185 | 4200×1580×1550 | 6500 |

# EXPLOSION-PROOF AIR COMPRESSOR

Explosion-proof air compressors are special gas compression equipment designed for use in hazardous environments. They have characteristics such as explosion-proof, safety and stability, high efficiency, and energy-saving, and are widely used in petrochemical, mining, and chemical industries.

## Features

●They have safety features such as explosion-proof and fire prevention, which can effectively prevent dangerous accidents such as fires and explosions during equipment operation.

●The equipment is made of special explosion-proof materials, which are corrosion-resistant and wear-resistant and can operate stably in harsh environments.

●Air compressors have high working efficiency, can quickly compress gas, and output high-quality air that meets relevant safety standards and requirements.

●The equipment has intelligent control functions, which can monitor and adjust the operating status of the compressor to ensure safe and stable operation.

## Application

●Petroleum, natural gas, and other petrochemical industries, used for transporting and processing flammable and explosive gases;

●Mining industries such as coal mines, metal mines, etc., used for extracting and transporting coalbed methane and other gases;

●Chemical, pharmaceutical, and other industries, used for compressing and transporting various gases;

●Other industries that require the use of gas in hazardous environments, such as rocket launches, oilfield development, etc.

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# EXPLOSION-PROOF AIR COMPRESSOR

## Parameters

| Model | Motor Power (KW) | Rotational speed (rpm) | Air Delivery ($m^3$/min) | Working Pressure (Mpa) | Dimension (mm) | Explosion-proof Rating |
|---|---|---|---|---|---|---|
| ST-BLG-1.0/8 | 7.5 | 2980 | 1 | 8 | 1700*1100*1400 | BT4 |
| ST-BLG-1.5/8 | 11 | 2980 | 1.5 | 8 | 1700*1100*1400 | BT4 |
| ST-BLG-2/8 | 15 | 2980 | 2 | 8 | 1700*1100*1400 | BT4 |
| ST-BLG-3.5/8 | 22 | 2980 | 3.5 | 8 | 1700*1100*1400 | BT4 |
| ST-BLG-4.8/8 | 30 | 2980 | 4.8 | 8 | 1700*1100*1400 | BT4 |
| ST-BLG-6/8 | 37 | 2980 | 6 | 8 | 2000*1200*1500 | BT4 |
| ST-BLG-7/8 | 45 | 2980 | 7 | 8 | 2300*1300*1600 | BT4 |
| ST-BLG-10/8 | 55 | 2980 | 10 | 8 | 2300*1300*1600 | BT4 |
| ST-BLG-13/8 | 75 | 2980 | 13 | 8 | 2500*1300*1600 | BT4 |
| ST-BLG-16/8 | 90 | 2980 | 16 | 8 | 2500*1300*1600 | BT4 |
| ST-BLG-20/8 | 110 | 2980 | 20 | 8 | 3000*1400*1500 | BT4 |
| ST-BLG-24/8 | 132 | 2980 | 24 | 8 | 3000*1400*1500 | BT4 |
| ST-BLG-26/8 | 160 | 2980 | 26 | 8 | 3000*1600*1700 | BT4 |
| ST-BLG-30/8 | 185 | 2980 | 30 | 8 | 3000*1600*1700 | BT4 |
| ST-MLGF3/8 | 18.5 | 2980 | 3 | 8 | 2160*1100*1400 | Explosion-proof for mining |
| ST-MLGF4/8 | 22 | 2980 | 4 | 8 | 2160*1100*1400 | Explosion-proof for mining |
| ST-MLGF6/8 | 37 | 2980 | 6 | 8 | 2460*1200*1400 | Explosion-proof for mining |
| ST-MLGF10/8 | 55 | 2980 | 10 | 8 | 2760*1300*1500 | Explosion-proof for mining |
| ST-MLGF13/8 | 75 | 2980 | 13 | 8 | 2960*1300*1600 | Explosion-proof for mining |
| ST-MLGF16/8 | 90 | 2980 | 16 | 8 | 2960*1300*1600 | Explosion-proof for mining |
| ST-MLGF20/8 | 110 | 2980 | 20 | 8 | 3460*1400*1850 | Explosion-proof for mining |
| ST-MLGF22/8 | 132 | 2980 | 22 | 8 | 3460*1400*1850 | Explosion-proof for mining |
| ST-MLGF26/8 | 160 | 2980 | 26 | 8 | 3460*1600*1850 | Explosion-proof for mining |
| ST-MLGF32/8 | 185 | 2980 | 32 | 8 | 3460*1600*1850 | Explosion-proof for mining |
| ST-FBLG-1.0/8 | 7.5 | 2980 | 1 | 8 | 1700*1100*1400 | Dust explosion-proof |
| ST-FBLG-1.5/8 | 11 | 2980 | 1.5 | 8 | 1700*1100*1400 | Dust explosion-proof |
| ST-FBLG-2/8 | 15 | 2980 | 2 | 8 | 1700*1100*1400 | Dust explosion-proof |
| ST-FBLG-3.5/8 | 22 | 2980 | 3.5 | 8 | 1700*1100*1400 | Dust explosion-proof |
| ST-FBLG-4.8/8 | 30 | 2980 | 4.8 | 8 | 1700*1100*1400 | Dust explosion-proof |
| ST-FBLG-6/8 | 37 | 2980 | 6 | 8 | 2000*1200*1500 | Dust explosion-proof |
| ST-FBLG-7/8 | 45 | 2980 | 7 | 8 | 2300*1300*1600 | Dust explosion-proof |
| ST-FBLG-10/8 | 55 | 2980 | 10 | 8 | 2300*1300*1600 | Dust explosion-proof |
| ST-FBLG-13/8 | 75 | 2980 | 13 | 8 | 2500*1300*1600 | Dust explosion-proof |
| ST-FBLG-16/8 | 90 | 2980 | 16 | 8 | 2500*1300*1600 | Dust explosion-proof |
| ST-FBLG-20/8 | 110 | 2980 | 20 | 8 | 3000*1400*1500 | Dust explosion-proof |
| ST-FBLG-24/8 | 132 | 2980 | 24 | 8 | 3000*1400*1500 | Dust explosion-proof |
| ST-FBLG-26/8 | 160 | 2980 | 26 | 8 | 3000*1600*1700 | Dust explosion-proof |
| ST-FBLG-30/8 | 185 | 2980 | 30 | 8 | 3000*1600*1700 | Dust explosion-proof |
| ST-CLG-1.0/8 | 7.5 | 2980 | 1 | 8 | 1700*1100*1400 | CT4 |
| ST-CLG-1.5/8 | 11 | 2980 | 1.5 | 8 | 1700*1100*1400 | CT4 |
| ST-CLG-2/8 | 15 | 2980 | 2 | 8 | 1700*1100*1400 | CT4 |
| ST-CLG-3.5/8 | 22 | 2980 | 3.5 | 8 | 1700*1100*1400 | CT4 |
| ST-CLG-4.8/8 | 30 | 2980 | 4.8 | 8 | 1700*1100*1400 | CT4 |
| ST-CLG-6/8 | 37 | 2980 | 6 | 8 | 2000*1200*1500 | CT4 |
| ST-CLG-7/8 | 45 | 2980 | 7 | 8 | 2300*1300*1600 | CT4 |
| ST-CLG-10/8 | 55 | 2980 | 10 | 8 | 2300*1300*1600 | CT4 |
| ST-CLG-13/8 | 75 | 2980 | 13 | 8 | 2500*1300*1600 | CT4 |
| ST-CLG-16/8 | 90 | 2980 | 16 | 8 | 2500*1300*1600 | CT4 |
| ST-CLG-20/8 | 110 | 2980 | 20 | 8 | 3000*1400*1500 | CT4 |
| ST-CLG-24/8 | 132 | 2980 | 24 | 8 | 3000*1400*1500 | CT4 |
| ST-CLG-26/8 | 160 | 2980 | 26 | 8 | 3000*1600*1700 | CT4 |
| ST-CLG-30/8 | 185 | 2980 | 30 | 8 | 3000*1600*1700 | CT4 |

# RESIDUAL HEAT REGENERATION DRYER

## Operating Conditions

| | |
|---|---|
| **Working Pressure** | 0.4-1.0 MPa |
| **Inlet temperature** | 120°C-170°C |
| **Dew point of the air outlet** | -20°C—40°C |
| **Gas consumption rate** | 0%/1.2% |
| **Pressure Drop** | ≤0.021 MPa |
| **Switching Cycle** | 2h/4h |
| **Adsorbent** | Active alumina |
| **Inlet oil content** | ≤0.1 PPM |
| **Power** | 100W |

## Features

●Adopting a long 4-hour cycle switching mode, the overall performance of the equipment is excellent.

●Using a fully regenerative process, the regeneration heating is done using a large flow of high-pressure compressed air, which can thoroughly regenerate the adsorbent.

●The regeneration heater is not needed, so there is no need to consume electricity, saving energy required for regeneration.

●Adding a cooling step sequence ensures that the dew point of the outlet air is stable, effectively guaranteeing the quality of the gas source.

● The equipment is fully integrated and delivered as a whole unit.

## Parameters

| Model | ST-20 YR | ST-25 YR | ST-30 YR | ST-40 YR | ST-50 YR | ST-60 YR | ST-80 YR | ST-100 YR | ST-120 YR | ST-150 YR | ST-200 YR | ST-250 YR | ST-300 YR | ST-350 YR | ST-400 YR | ST-500 YR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity (m/min) | 23 | 27 | 2.4 | 45 | 55 | 65 | 87 | 110 | 130 | 160 | 210 | 260 | 320 | 360 | 410 | 510 |
| Cooling water flow rate (t/h) | 8.6 | 10.8 | 12.8 | 17.2 | 21.4 | 26.5 | 34.5 | 43.1 | 52.3 | 65 | 90 | 108 | 132 | 161 | 200 | 250 |
| Dimension LxHxW (mm) | 2070 | 2410 | 2740 | 2900 | 3050 | 3190 | 330 | 3520 | 3700 | 3900 | 4680 | 5400 | 6900 | 7540 | 8210 | 9100 |
| | 1030 | 1200 | 1350 | 1510 | 1690 | 1810 | 1920 | 2100 | 2330 | 2450 | 2750 | 3000 | 3300 | 3470 | 3580 | 3620 |
| | 2310 | 2430 | 2650 | 2780 | 2830 | 2880 | 2910 | 2990 | 2170 | 3200 | 3510 | 3720 | 3940 | 3920 | 3850 | 3860 |
| Inlet/Outlet Diameter | DN80 | DN80 | DN80 | DN100 | DN100 | DN125 | DN150 | DN150 | DN150 | DN200 | DN200 | DN250 | DN250 | DN300 | DN300 | DN350 |
| Weight (Kg) | 1480 | 1720 | 1980 | 2500 | 3130 | 3920 | 4650 | 5690 | 6530 | 7500 | 9320 | 12400 | 1430 | 15900 | 17200 | 19200 |

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# AIR BLAST DRYING MACHINE

## Operating Conditions

| | |
|---|---|
| **Working Pressure** | 0.4-1.0 MPa |
| **Dew point of the air outlet** | -40°C |
| **Gas consumption rate** | 2%/1% |
| **Pressure Drop** | ≤0.021 MPa |
| **Switching Cycle** | 4h |
| **Adsorbent** | Active alumina |
| **Inlet oil content** | ≤0.1 PPM(w) |
| **Power supply** | 3PH/380V/50Hz |

## Features

●Adopting a 4-hour long cycle switching mode, the overall performance of the whole machine is good.

●Using a complete regeneration process, the adsorbent can be thoroughly regenerated, resulting in a large dynamic adsorption capacity and good equipment economy.

●Regeneration heating uses ambient air, which has energy-saving advantages.

●Multiple interlock protections and alarms greatly improve the safety and reliability of the device.

●The export dew point is stable, effectively ensuring the gas quality of the compressed air.

●The equipment is integrated and delivered as a whole.

## Parameters

| Model | ST-25 GF | ST-20 GF | ST-30 GF | ST-40 GF | ST-50 GF | ST-60 GF | ST-80 GF | ST-100 GF | ST-120 GF | ST-150 GF | ST-200 GF | ST-250 GF | ST-300 GF | ST-350 GF | ST-400 GF | ST-500 GF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity (m/min) | 27 | 23 | 34 | 45 | 55 | 65 | 87 | 110 | 130 | 160 | 210 | 260 | 320 | 360 | 410 | 510 |
| Heating Power (KW) | 18 | 15 | 24 | 32.4 | 42 | 48 | 64.8 | 81 | 95.4 | 119.7 | 162 | 205.2 | 240 | 285 | 318 | 398 |
| Blower Power (KW) | 4.2 | 3.3 | 5.5 | 7.2 | 8.8 | 10.8 | 13.8 | 1705 | 20.8 | 25.8 | 34.5 | 43.2 | 51.8 | 59.2 | 67.8 | 78.2 |
| Dimension LxHxW (mm) | 1870 | 1560 | 2090 | 2530 | 2750 | 2920 | 3040 | 3210 | 3380 | 3520 | 3680 | 3720 | 3820 | 3950 | 4520 | 5380 |
| | 1830 | 1630 | 1990 | 2180 | 2390 | 2510 | 2780 | 2920 | 3080 | 3180 | 3320 | 3400 | 3480 | 3560 | 3720 | 3980 |
| | 2880 | 2780 | 3070 | 2920 | 3110 | 3080 | 3120 | 3200 | 3280 | 3410 | 3560 | 3640 | 3720 | 3810 | 3890 | 3970 |
| Inlet/Outlet Diameter | DN65 | DN65 | DN80 | DN100 | DN100 | DN125 | DN150 | DN150 | DN150 | DN200 | DN200 | DN250 | DN250 | DN300 | DN300 | DN350 |
| Weight (Kg) | 1720 | 1380 | 2060 | 2750 | 3430 | 4120 | 4120 | 6300 | 7810 | 920 | 9200 | 1400 | 1490 | 1620 | 17900 | 19200 |

# AIR COOLED REFRIGERATION DRYER

## Features

● More stable overall performance

Using an external rotor fan with stronger wind power can improve the efficiency of condensation and pre-cooling, making the entire unit operate more reliably and steadily.

● Better gas environment

With a unique heat exchanger design, heat exchange efficiency is greatly improved, reating a more superior gas environment.

● High efficiency and long lifespan

The core component, the compressor, adopts a well-known brand, which results in excellent refrigeration and a longer lifespan.

● Reasonable design and small footprint

The novel design is aesthetically pleasing, with a compact structure and a small footprint. The layout is reasonable, making it easy to use and maintain.

## Operating Conditions

| | |
|---|---|
| Inlet Temperature | Normal temperature: ≤45°C, High temperature: ≤80°C |
| Cooling Method | Air-cooled |
| Ambient Temperature | <38°C |
| Dew Point | 2-10°C |
| Inlet Pressure | 0.6-1.0Mpa |
| Pressure Loss | ≤5% of working pressure |

## Ambient Temperature Parameters

| Model | Air Delivery ($m^3$/min) | Working Pressure | Dew Point | Power | Compressor power (KW) | Fan Power | Connection | Dimension (mm) | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| **Normal Temperature** | | | | | | | | | |
| ST-1T | 1.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 0.5 | 80 | ZG1" | 665x425x560 | 37 |
| ST-2T | 2.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 0.7 | 95 | ZG1" | 750x420x730 | 45 |
| ST-3T | 3.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 0.9 | 120 | ZG1.5" | 800x440x800 | 60 |
| ST-5T | 5.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1 | 240 | ZG1.5" | 923x500x910 | 76 |
| ST-6T | 6.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1 | 240 | ZG1.5" | 923x500x910 | 80 |
| ST-8T | 8.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1.6 | 300 | ZG2" | 995x585x1080 | 90 |
| ST-11T | 11.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 2 | 380 | ZG2.5" | 1125x625x1045 | 120 |
| ST-13T | 13.5 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 3 | 420 | ZG2.5" | 1125x625x1045 | 150 |
| ST-15T | 15.5 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 3.1 | 480 | ZG2.5" | 1120x700x1230 | 190 |
| ST-20T | 22 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 3.68 | 480 | DN80 | 1500x750x1335 | 220 |
| ST-25T | 25 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 4.41 | 480 | DN80 | 1700x750x1395 | 270 |
| ST-30T | 34 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 5.15 | 720 | DN100 | 1770x850x1445 | 360 |
| ST-40T | 45 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 6.62 | 720 | DN100 | 1950x900x1560 | 490 |
| ST-50T | 55 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 8.82 | 720 | DN125 | 1950x1050x1600 | 560 |
| ST-60T | 65 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 11.03 | 760 | DN125 | 2200x1325x1585 | 680 |
| ST-80T | 87 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 14.7 | 960 | DN150 | 2500x1325x1695 | 760 |
| ST-100T | 110 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 18.4 | 1440 | DN150 | 2700x1600x2100 | 970 |
| **High temperature** | | | | | | | | | |
| ST-1G | 1.6 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 0.7 | 95 | ZG1" | 750 x 420 x 730 | 450 |
| ST-2G | 2.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 0.9 | 120 | ZG1.5" | 800 x 440 x 800 | 60 |
| ST-3G | 3.8 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1 | 240 | ZG1.5" | 923 x 500 x 910 | 76 |
| ST-5G | 5.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1.2 | 240 | ZG1.5" | 923 x 500 x 910 | 80 |
| ST-6G | 6.8 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1.6 | 300 | ZG2" | 995 x 585 x 1080 | 90 |
| ST-8G | 8.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 1.8 | 300 | ZG2" | 995 x 585 x 1080 | 95 |
| ST-11G | 11.5 | 0.2-1.0Mpa | 2-10°C | 1PH/220V/50Hz | 2 | 380 | ZG2.5" | 1125 x 625 x 1045 | 120 |
| ST-13G | 13.5 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 3 | 420 | ZG2.5" | 1125 x 625 x 1045 | 150 |
| ST-15G | 15.5 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 3.1 | 4.8 | DN65 | 1120 x 700 x 1230 | 190 |
| ST-20G | 22 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 4.5 | 600 | DN80 | 1300 x 750 x 1230 | 260 |
| ST-25G | 25 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 4.5 | 600 | DN80 | 1300 x 750 x 1230 | 280 |
| ST-30G | 35 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 6.9 | 750 | DN100 | 1600 x 820 x 1520 | 390 |
| ST-40G | 45 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 9.2 | 1080 | DN100 | 1800 x 820 x 1560 | 420 |
| ST-50G | 55 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 11 | 2020 | DN125 | 1900 x 900 x 1570 | 560 |
| ST-60G | 65 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 14 | 2020 | DN125 | 1900 x 900 x 1570 | 560 |
| ST-80G | 85 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 18 | 1560 | DN150 | 2500 x 1000 x 1900 | 680 |
| ST-100G | 110 | 0.2-1.0Mpa | 2-10°C | 3PH/380V/50Hz | 20 | 3330 | DN150 | 2800 x 1000 x 2100 | 850 |

# NON THERMAL ADSORPTION DRYER

## Low pressure series Parameters

## Features

- Adopting a large-capacity design to ensure a stable outlet dew point, which can adapt to changes in the adsorbent's aging and operational load.
- The main key components are selected from well-known brands to ensure continuous and reliable operation.
- The device is assembled in the factory as a whole, making it easy to install.
- PIC micro-processing control technology is used to make the device advanced.
- Molecular sieve
- Dew point switching mode, high dew point alarm and interlocking
- Front and rear filters installed on the whole machine
- LCD display, with a computer upper-machine communication interface configured.

## Operating Conditions

| Working Pressure | Rated inlet temperature | Dew point of the air outlet | Gas consumption rate | Pressure Drop | Switching Cycle | Adsorbent | Inlet oil content | Power supply |
|---|---|---|---|---|---|---|---|---|
| 0.4-1.0 MPa | ≤45°C | ≤45°C-70°C | ≤14.5% | ≤0.021 MPa | 5-10 minutes (adjustable) | Active alumina | ≤0.1 PPM | 1PH/220V/ 50Hz |

## Parameters

| Model | ST-1W | ST-2W | ST-3W | ST-6W | ST-8W | ST-10W | ST-13W | 1ST-5W | ST-20W | ST-25W | ST-30W | ST-40W | ST-50W | ST-60W | ST-80W | ST-100W | ST-120W | ST-150W | ST-200W | ST-250W | ST-300W | ST-350W | ST-400W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Processing Capacity ($m^3$/min) | 1.5 | 2.5 | 3.8 | 6.8 | 8.5 | 11.5 | 13.5 | 17 | 23 | 27 | 34 | 45 | 55 | 65 | 87 | 110 | 130 | 160 | 210 | 260 | 310 | 360 | 410 |
| Inlet/Outlet Diameter (mm) | ZG1" | ZG1" | ZG1" | ZG1.5" | ZG2" | ZG2" | ZG2" | DN65 | DN65 | DN80 | DN80 | DN100 | DN100 | DN100 | DN125 | DN150 | DN150 | DN200 | DN200 | DN250 | DN250 | DN300 | DN300 |
| L (mm) | 750 | 750 | 1050 | 1050 | 1100 | 1100 | 1200 | 1200 | 1400 | 1400 | 1500 | 1700 | 1800 | 1900 | 2000 | 2200 | 2500 | 2600 | 2900 | 3000 | 3300 | 3700 | 4000 |
| W (mm) | 350 | 350 | 500 | 500 | 550 | 550 | 500 | 500 | 500 | 500 | 600 | 800 | 900 | 900 | 900 | 1000 | 1200 | 1500 | 1600 | 1800 | 2000 | 2100 | 2700 |
| H (mm) | 1450 | 1600 | 1500 | 1850 | 1850 | 2000 | 2100 | 2300 | 2100 | 2450 | 2350 | 2400 | 2600 | 2700 | 2700 | 2800 | 2800 | 2850 | 2900 | 3000 | 3000 | 3000 | 3100 |
| Weight (Kg) | 100 | 110 | 210 | 300 | 360 | 390 | 500 | 600 | 700 | 920 | 1050 | 1200 | 1500 | 1700 | 2200 | 2700 | 4100 | 4900 | 6400 | 7700 | 9020 | 1190 | 13100 |

# MICRO ADSORPTION DRYER REFRIGERATION DRYER

## Features

- Low gas consumption rate, saving energy by about 6%.
- Long cycle switching mode, ensuring excellent overall performance of the entire machine.
- Key components are sourced from well-known brands, ensuring continuous and reliable operation of the equipment.
- Electric heating elements designed with high power density, enhancing the performance of the electric heater.
- Temperature control protection is adopted for the electric heater, preventing burnout of the heating element.
- Double-layer bed of molecular sieve or active alumina + molecular sieve.
- Dew point switching mode with high dew point alarm and interlock.
- Dual temperature setting interlock.
- LCD display and computer upper machine communication interface.

## Operating Conditions

| Working Pressure | Rated inlet temperature | Dew point of the air outlet | Gas consumption rate | Pressure Drop | Switching Cycle | Adsorbent | Inlet oil content | Power supply |
|---|---|---|---|---|---|---|---|---|
| 0.4-1.0 MPa | ≤45°C | ≤45°C-70°C | ≤8% | ≤0.021 MPa | 120-240 minutes (adjustable) | Active alumina | ≤0.1 PPM | 3PH/380V/ 50Hz |

## Parameters

| Model | ST-1Y | ST-2Y | ST-3Y | ST-6Y | ST-8Y | ST-10Y | ST-13Y | ST-15Y | ST-20Y | ST-25Y | ST-30Y | ST-40Y | ST-50Y | ST-60Y | ST-80Y | ST-100Y | ST-120Y | ST-150Y | ST-200Y | ST-250Y | ST-300Y | ST-350Y | ST-400Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Processing Capacity ($m^3$/min) | 1.6 | 2.5 | 3.8 | 6.8 | 8.5 | 11.5 | 13.5 | 17 | 23 | 27 | 34 | 45 | 55 | 65 | 87 | 110 | 130 | 160 | 210 | 260 | 310 | 360 | 410 |
| Inlet/Outlet Diameter (mm) | ZG1" | ZG1" | ZG1.5" | ZG1.5'' | ZG2" | ZG2" | ZG2" | DN65 | DN80 | DN80 | DN80 | DN100 | DN100 | DN125 | DN125 | DN150 | DN150 | DN200 | DN200 | DN250 | DN250 | DN300 | DN300 |
| Heating power (kw) | 0.5 | 1 | 1.2 | 2.1 | 3 | 4 | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 18 | 27 | 36 | 42 | 54 | 72 | 90 | 112.5 | 124.8 | 145.8 |
| L (mm) | 690 | 750 | 860 | 1010 | 1010 | 1240 | 1240 | 1280 | 1320 | 1700 | 1750 | 1850 | 1850 | 2160 | 2416 | 2980 | 3080 | 3180 | 3380 | 3580 | 3580 | 3720 | 3910 |
| W (mm) | 450 | 500 | 540 | 700 | 700 | 800 | 800 | 860 | 860 | 930 | 960 | 1060 | 1060 | 1240 | 1440 | 2120 | 2220 | 2320 | 2520 | 2720 | 2970 | 3220 | 3370 |
| H (mm) | 1290 | 1324 | 1350 | 1558 | 1785 | 2232 | 2232 | 2360 | 2477 | 2570 | 2626 | 2646 | 2646 | 2784 | 2872 | 2990 | 3030 | 3316 | 3360 | 3596 | 3600 | 3720 | 3910 |
| Weight (Kg) | 120 | 130 | 230 | 330 | 390 | 420 | 550 | 650 | 750 | 970 | 1150 | 1300 | 1600 | 1800 | 2350 | 2850 | 4300 | 5200 | 6700 | 8000 | 9270 | 12200 | 13400 |

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# COMBINED LOW DEW POINT DRYING MACHINE

Combined low dew point drying machine is a new type of compressed air drying device. It is composed of a refrigerated dryer, high-efficiency oil removal filter, regenerative adsorption dryer, and is integrated organically. It features a low dew point, low energy consumption, compact structure, and stable operation. Its outlet pressure dew point temperature can reach as low as -70℃.

The hot and humid air from the compressor first undergoes heat exchange with the cold air coming out of the evaporator in the pre-cooler, which cools the air and preliminarily removes moisture. Then, the air enters the evaporator and exchanges heat with the refrigerant, further lowering the temperature of the air to 2-10℃. At this temperature, most of the moisture in the air condenses into liquid and is discharged through the drain, producing relatively dry air. The dry air coming out of the evaporator goes to the pre-cooler for heat exchange with the hot and humid air coming from the compressor, and recovers the cooling capacity. At the same time, the temperature of the dry air also increases. The compressed air coming out of the refrigeration unit enters the high-efficiency oil removal device to remove oil and impurities, and then enters the adsorption unit for further deep drying, obtaining compressed air with a lower dew point temperature. The compressed air then enters the precision filter to remove any fixed particles before proceeding to the next process.

## Features

- The chiller dryer and adsorption dryer filters are integrated into one unit, with a compact structure and easy installation and use.
- It has a good drying effect with a low dew point and low regeneration gas con sumption.
- The service life of the drying agent can be extended by more than three times, saving maintenance costs.
- Advanced single-chip microcomputer control technology is adopted to achieve automation of operation and control.

# COMBINED LOW DEW POINT DRYING MACHINE

## Parameters

| Model | Capacity (m/min) | Power | Compressor power (HP) | Heating Power (KW) | Air Volume (Nm//h) | Inlet/Outlet Diameter | Cooling Water Diameter | Dryer Weight (Kg) | L (mm) | W (mm) | H (mm) | Total Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W series wind cooler non thermal | | | | | | | | | | | | |
| ST-1WZN | 1.6 | 1φ50Hz/220V | 1.36 | - | 965 | ZG1* | - | 25 | 1170 | 880 | 1408 | 305 |
| ST-3WZN | 3.8 | 1φ50Hz/220V | 2.72 | - | 3110 | ZG1.5° | - | 56 | 1250 | 885 | 1415 | 510 |
| ST-6WZN | 6.8 | 1φ50Hz/220V | 3.4 | - | 6220 | ZG1.5" | - | 126 | 1470 | 1010 | 1789 | 775 |
| ST-8WZN | 8.5 | 1φ50Hz/220V | 4.08 | - | 8470 | ZG2" | - | 155 | 1500 | 1060 | 2031 | 920 |
| ST-10WZN | 11.5 | 1φ50Hz/220V | 4.08 | - | 8470 | ZG2" | - | 220 | 1760 | 1120 | 1864 | 1060 |
| ST-13WZN | 13.5 | 1φ50Hz/220V | 4.74 | - | 8470 | ZG2" | - | 238 | 1760 | 1180 | 1920 | 1190 |
| ST-15WZN | 17 | 3φ50Hz/380V | 5.71 | - | 8470 | DN65 | - | 275 | 1760 | 1360 | 2204 | 1325 |
| ST-20WZN | 23 | 3φ50Hz/380V | 7.2 | - | 8470 | DN65 | - | 395 | 1960 | 1440 | 2470 | 1740 |
| ST-25WZN | 27 | 3φ50Hz/380V | 9.08 | - | 10560 | DN80 | - | 490 | 2030 | 1480 | 2473 | 2060 |
| ST-30WZN | 34 | 3φ50Hz/380V | 11.26 | - | 10560 | DN80 | - | 600 | 2220 | 1640 | 2542 | 2375 |
| ST-40WZN | 45 | 3φ50Hz/380V | 13.6 | - | 15840 | DN100 | - | 845 | 2340 | 1710 | 2872 | 2960 |
| ST-50WZN | 55 | 3φ50Hz/380V | 18.06 | - | 15840 | DN100 | - | 1008 | 2340 | 1800 | 2961 | 3320 |
| ST-60WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | - | 1170 | 2520 | 2000 | 2991 | 3445 |
| Y series wind cooler micro heat | | | | | | | | | | | | |
| ST-1YZM | 1.6 | 1φ50Hz/220V | 1/3 | 0.5 | 965 | ZG1" | - | 25 | 1170 | 880 | 1408 | 305 |
| ST-3YZM | 3.8 | 1φ50Hz/220V | 1 | 3 | 3110 | ZG1.5" | - | 56 | 1250 | 885 | 1415 | 510 |
| ST-6YZM | 6.8 | 1φ50Hz/220V | 2 | 4 | 6220 | ZG1.5" | - | 126 | 1470 | 1010 | 1789 | 775 |
| ST-BYZM | 8.5 | 1φ50Hz/220V | 2.5 | 4.5 | 8470 | ZG2" | - | 155 | 1500 | 1060 | 2031 | 920 |
| ST-10YZM | 11.5 | 1φ50Hz/220V | 3 | 6 | 8470 | ZG2" | - | 220 | 1760 | 1120 | 1864 | 1060 |
| ST-13YZM | 13.5 | 1φ50Hz/220V | 3 | 6 | 8740 | ZG2" | - | 238 | 1760 | 1180 | 1920 | 1190 |
| ST-15YZM | 17 | 3450Hz/380V | 3.5 | 6.5 | 8470 | DN65 | - | 275 | 1760 | 1360 | 2204 | 1325 |
| ST-20YZM | 23 | 3450Hz/380V | 4.2 | 9 | 8470 | DN80 | - | 395 | 1960 | 1440 | 2470 | 1740 |
| ST-25YZM | 27 | 3450Hz/380V | 5.3 | 9 | 10560 | DN80 | - | 490 | 2030 | 1480 | 2473 | 2060 |
| ST-30YZM | 34 | 3450Hz/380V | 6.7 | 12 | 10560 | DN80 | - | 600 | 2220 | 1640 | 2542 | 2375 |
| ST-40YZM | 45 | 3450Hz/380V | 8.3 | 18 | 15840 | DN100 | - | 845 | 2340 | 1710 | 2872 | 2960 |
| ST-50YZM | 55 | 3450Hz/380V | 10 | 21 | 15840 | DN100 | - | 1008 | 2340 | 1800 | 2961 | 3320 |
| ST-60YZM | 67 | 3450Hz/380V | 13.3 | 25 | 18000 | DN125 | - | 1170 | 2520 | 2000 | 2991 | 3445 |
| W series water cooler non thermal | | | | | | | | | | | | |
| ST-6WZN | 6.8 | 1φ50Hz/220V | 2 | - | 6220 | ZG1.5" | ZG1/2" | 126 | 1470 | 1010 | 1789 | 775 |
| ST-10WZN | 11.5 | 1φ50Hz/220V | 3 | - | 8470 | ZG2" | ZG3/4" | 220 | 1760 | 1120 | 1864 | 1060 |
| ST-13WZN | 13.5 | 1φ50Hz/220V | 3 | - | 8740 | ZG2" | ZG3/4" | 238 | 1760 | 1180 | 1920 | 1190 |
| ST-15WZN | 17 | 3φ50Hz/380V | 3.5 | - | 8470 | DN65 | ZG1" | 275 | 1760 | 1360 | 2204 | 1325 |
| ST-20WZN | 23 | 3φ50Hz/380V | 4.2 | - | 8470 | DN65 | ZG1" | 395 | 1960 | 1440 | 2470 | 1740 |
| ST-25WZN | 27 | 3φ50Hz/380V | 5.3 | - | 10560 | DN80 | ZG1* | 490 | 2030 | 1480 | 2473 | 2060 |
| ST-30WZN | 34 | 3φ50Hz/380V | 6.7 | - | 10560 | DN80 | ZG1" | 600 | 2220 | 1640 | 2542 | 2375 |
| ST-40WZN | 45 | 3φ50Hz/380V | 8.3 | - | 15840 | DN100 | ZG1* | 845 | 2340 | 1710 | 2872 | 2960 |
| ST-50WZN | 55 | 3φ50Hz/380V | 10 | - | 15840 | DN100 | ZG1" | 1008 | 2340 | 1800 | 2961 | 3320 |
| ST-60WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-80WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | ZG1* | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-100WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-150WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-200WZN | 67 | 3φ50Hz/380V | 13.3 | - | 18000 | DN125 | ZG1* | 1170 | 2520 | 2000 | 2991 | 3445 |
| Y series water cooler micro heat | | | | | | | | | | | | |
| ST-6YZM | 6.8 | 1φ50Hz/220V | 2 | 4 | 6220 | ZG1.5" | ZG1/2" | 126 | 1470 | 1010 | 1789 | 775 |
| ST-10YZM | 11.5 | 1φ50Hz/220V | 3 | 6 | 8470 | ZG2" | ZG3/4" | 220 | 1760 | 1120 | 1864 | 1060 |
| ST-13YZM | 13.5 | 1φ50Hz/220V | 3 | 6.5 | 8740 | ZG2° | ZG3/4" | 238 | 1760 | 1180 | 1920 | 1190 |
| ST-15YZM | 17 | 3φ50Hz/380V | 3.5 | 7 | 8470 | DN65 | ZG1" | 275 | 1760 | 1360 | 2204 | 1325 |
| ST-20YZM | 23 | 3φ50Hz/380V | 4.2 | 9 | 8470 | DN65 | ZG1" | 395 | 1960 | 1440 | 2470 | 1740 |
| ST-25YZM | 27 | 3φ50Hz/380V | 5.3 | 9 | 10560 | DN80 | ZG1" | 490 | 2030 | 1480 | 2473 | 2060 |
| ST-30YZM | 34 | 3φ50Hz/380V | 6.7 | 12 | 10560 | DN80 | ZG1" | 600 | 2220 | 1640 | 2542 | 2375 |
| ST-40YZM | 45 | 3φ50Hz/380V | 8.3 | 18 | 15840 | DN100 | ZG1" | 845 | 2340 | 1710 | 2872 | 2960 |
| ST-50YZM | 55 | 3φ50Hz/380V | 10 | 21 | 15840 | DN100 | ZG1" | 1008 | 2340 | 1800 | 2961 | 3320 |
| ST-60YZM | 67 | 3φ50Hz/380V | 13.3 | 25 | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-80YZM | 85 | 3φ50Hz/380V | 13.3 | 25 | 18000 | DN125 | ZG1* | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-100YZM | 110 | 3φ50Hz/380V | 13.3 | 25 | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-150YZM | 160 | 3φ50Hz/380V | 13.3 | 25 | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |
| ST-200YZM | 210 | 3φ50Hz/380V | 13.3 | 25 | 18000 | DN125 | ZG1" | 1170 | 2520 | 2000 | 2991 | 3445 |

# PRECISION FILTER

## Features

### C-grade precision filter

- Removes particles above 2 microns
- Water removal efficiency above 95%
- Residual oil content: ≤0.1PPM w/w
- Effectively blocks pollutants
- Used as an A-grade ultra-precision filter and pre-filter for refrigerated dryers
- Initial pressure drop: 0.01Mpa
- Filter replacement pressure drop: 0.07MPa

### T-grade precision filter

- Removes particles above 1 micron
- Residual oil content: ≤0.1PPM w/w
- Used as a B-grade filter and pre-filter
- Initial pressure drop: 0.01Mpa
- Filter replacement pressure drop: 0.07MPa

### A-grade precision filter

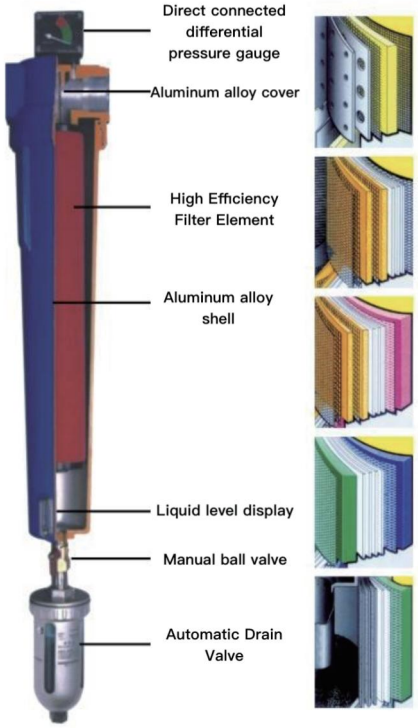
- Removes particles above 0.01 micron, residual oil content: ≤0.1PPM w/w
- Used as a B-grade ultra-precision filter (C-grade) and pre-filter for adsorption dryers
- Initial pressure drop: 0.012Mpa
- Filter replacement pressure drop: 0.07MPa

### H-grade precision filter

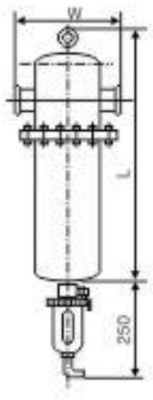
- Removes oil vapor and hydrocarbon odors
- Residual oil content: ≤0.003PPM w/w
- Initial pressure drop: 0.012Mpa
- Filter replacement: replacement work after 1000 hours

### F-grade precision filter

- Stainless steel tank
- Effectively blocks bacteria and phages in compressed air
- Kills bacteria by steam (120℃) at regular intervals
- Filter element can be regenerated and reused up to 50 times.




## Parameters

| Model | Flow Rate (Nm/min) | Pipe diameter | Length and Width LxW(mm) | Filter Element | Weight (Kg) | Overall dimensions |
|---|---|---|---|---|---|---|
| ST-001E | 1.5 | ZG1" | 300*105 | 1 | 1.5 | |
| ST-002E | 2.6 | ZG1" | 300*105 | 1 | 1.7 | |
| ST-003E | 3.8 | ZG1.5" | 370*125 | 1 | 2.5 | |
| ST-006E | 6.8 | ZG1.5" | 500* 125 | 1 | 3.0 | |
| ST-008E | 8.5 | ZG2" | 600* 140 | 1 | 4.5 | |
| ST-010E | 11.5 | ZG2" | 600 *140 | 1 | 5.0 | |
| ST-013E | 13.5 | ZG2" | 800*135 | 1 | 7.5 | |
| ST-015E | 17 | DN65 | 1000*380 | 1 | 65 |  |
| ST-020E | 23 | DN80 | 1100*380 | 1 | 70 | |
| ST-025E | 27 | DN80 | 1100*420 | 1 | 85 | |
| ST-030E | 34 | DN100 | 1100*440 | 2 | 90 | |
| ST-040E | 45 | DN100 | 1185*440 | 2 | 100 | |
| ST-050E | 55 | DN100 | 1185*517 | 3 | 105 | |
| ST-060E | 65 | DN125 | 1335*517 | 3 | 120 | |
| ST-080E | 87 | DN150 | 1335*580 | 4 | 160 | |
| ST-100E | 110 | DN150 | 1410*600 | 5 | 200 | |
| ST-150E | 165 | DN200 | 1540*600 | 8 | 250 | |
| ST-200E | 210 | DN200 | 1568*750 | 10 | 300 | |
| ST-250E | 260 | DN250 | 1700*850 | 12 | 320 | |
| ST-300E | 320 | DN250 | 1700*850 | 14 | 350 | |
| ST-350E | 360 | DN300 | 1750*950 | 16 | 420 | |
| ST-400E | 410 | DN300 | 1750*950 | 19 | 435 | |

# AIR COMPRESSOR ACCESSORIES

We provide you with air compressor filters and various branded valves and maintenance kits for oil products. We also offer accessories for major air compressor brands, valves, maintenance kits, overhaul kits, sensors, controllers, coolers, solenoid valves, cooling fans, main engine heads, air storage tanks, and more.

## Filter

## Oil

## Controller

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# AIR COMPRESSOR ACCESSORIES

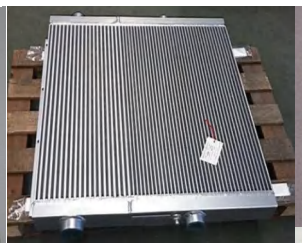
## Value

## Sensor

## Air end

## Air tank

| Pressure | ST-C-0.3 | ST-C-0.5 | ST-C-0.6 | ST-C-1.0 | ST-C-1.5 | ST-C-2.0 | ST-C-3.0 | ST-C-4.0 | ST-C-5.0 | ST-C-6.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.8MPa | 0.3m³/0.8MPa φ500*4*1250 | 0.5m³/0.8MPa φ600*4*1250 | 0.6m³/0.8MPa φ700*4*1250 | 1.0m³/0.8MPa φ800*4*1500 | 1.5m³/0.8MPa φ1000*5*1500 | 2.0m³/0.8MPa φ1000*5*2000 | 3.0m³/0.8MPa φ1200*5*2000 | 4.0m³/0.8MPa φ1400*6*2000 | 5.0m³/0.8MPa φ1500*6*2250 | 6.0m³/0.8MPa φ1500*6*2750 |
| 1.0MPa | 0.3m³/1.0MPa φ500*4*1250 | 0.5m³/1.0MPa φ600*4*1250 | 0.6m³/1.0MPa φ700*4*1250 | 1.0m³/1.0MPa φ800*4*1500 | 1.5m³/1.0MPa φ1000*5*1500 | 2.0m³/1.0MPa φ1000*5*2000 | 3.0m³/1.0MPa φ1200*5*2000 | 4.0m³/1.0MPa φ1400*6*2000 | 5.0m³/1.0MPa φ1500*6*2250 | 6.0m³/1.0MPa φ1500*6*2750 |
| 1.3MPa | 0.3m³/1.3MPa φ500*4*1250 | 0.5m³/1.3MPa φ600*4*1250 | 0.6m³/1.3MPa φ700*4*1250 | 1.0m³/1.3MPa φ800*4*1500 | 1.5m³/1.3MPa φ1000*5*1500 | 2.0m³/1.3MPa φ1000*5*2000 | 3.0m³/1.3MPa φ1200*5*2000 | 4.0m³/1.3MPa φ1400*6*2000 | 5.0m³/1.3MPa φ1500*6*2250 | 6.0m³/1.3MPa φ1500*6*2750 |



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